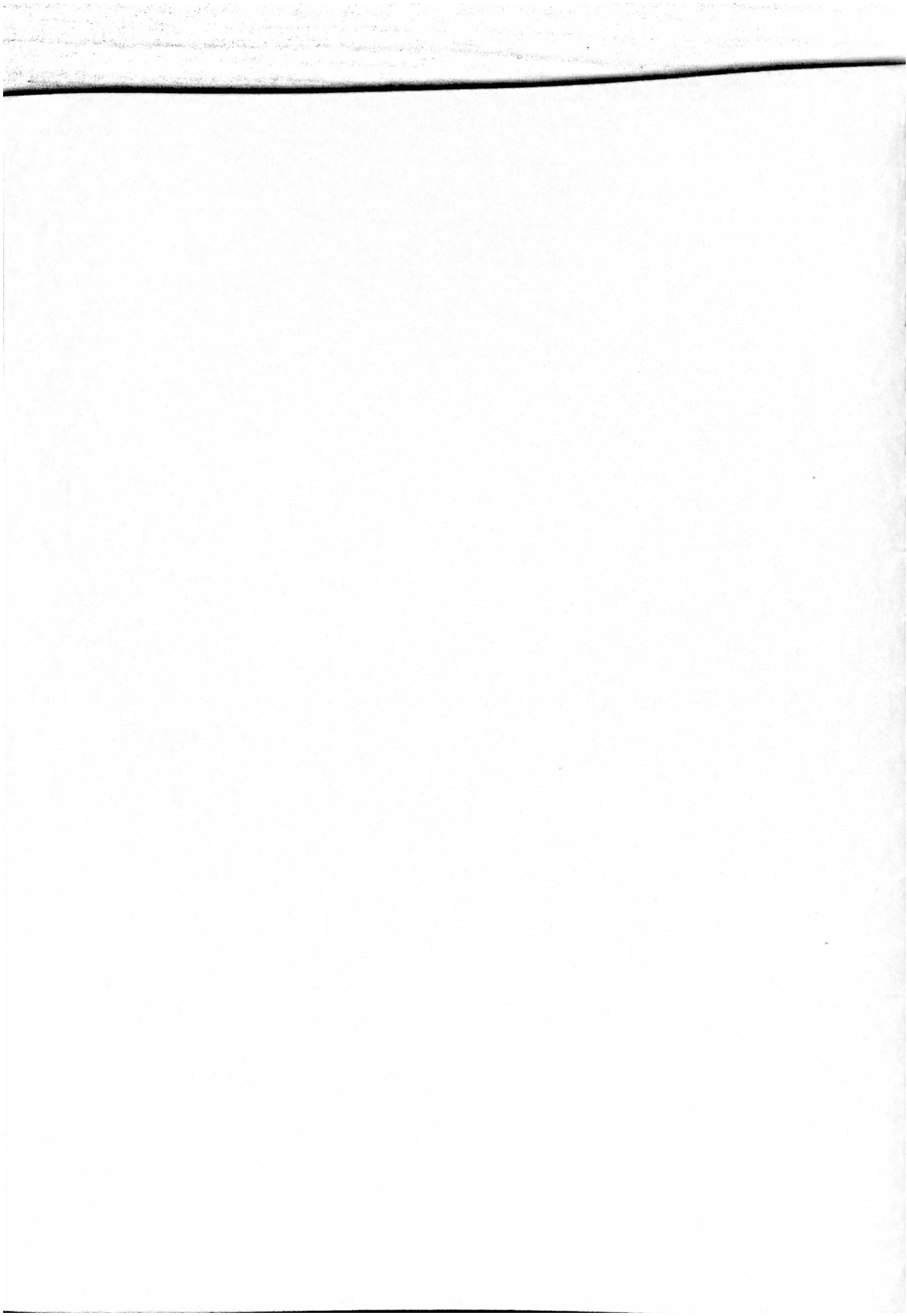


# **PARTS BOOK**

**TO-35  
TRACTOR**

**GAS AND DIESEL**

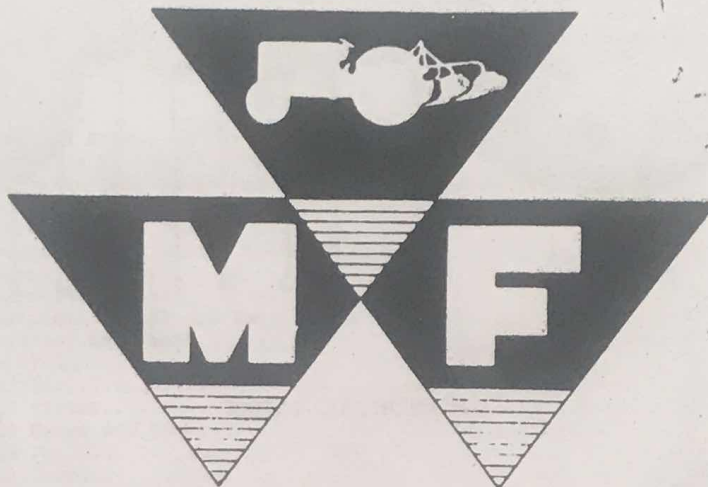
**MASSEY FERGUSON**





## **FOREWORD**

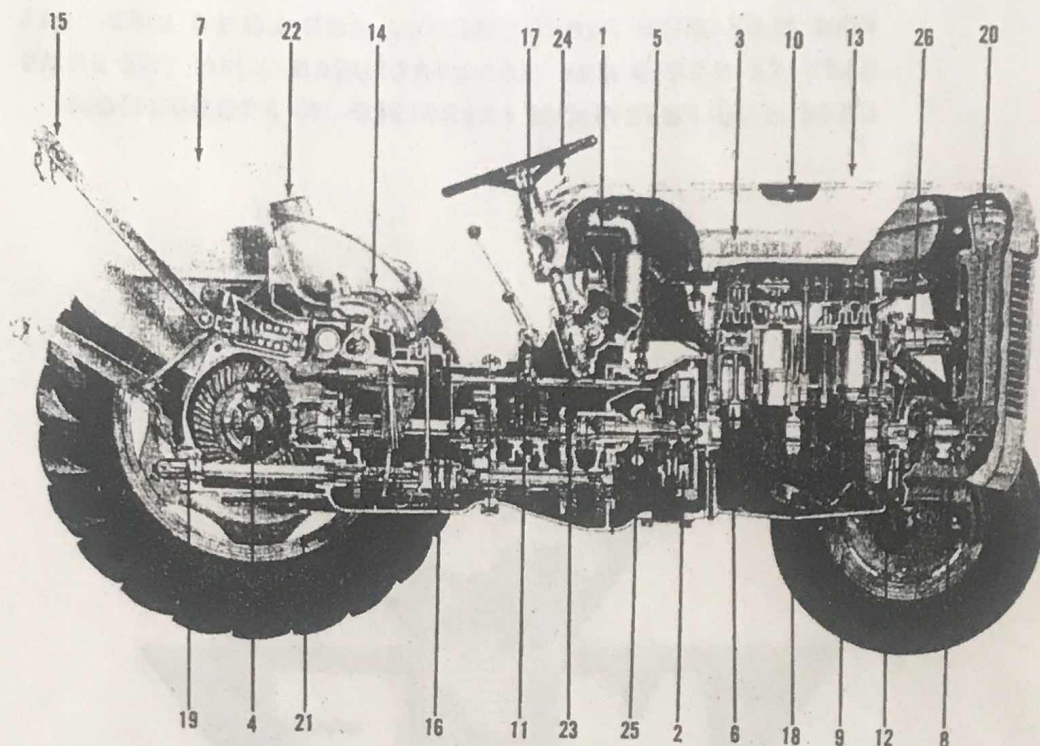
**MASSEY-FERGUSON** TRACTORS, COMBINES,  
BALERS AND IMPLEMENTS ARE DESIGNED AND BUILT  
FOR MAXIMUM PERFORMANCE AND LONG LIFE. ALL  
SERVICE PARTS ARE MANUFACTURED WITH THE SAME  
CARE AND PRECISION EXERCISED IN PRODUCTION.



**STOCK AND SELL ONLY MASSEY-FERGUSON PARTS**

**YOUR CUSTOMER EXPECTS IT OF YOU**

## TO-35 TRACTOR



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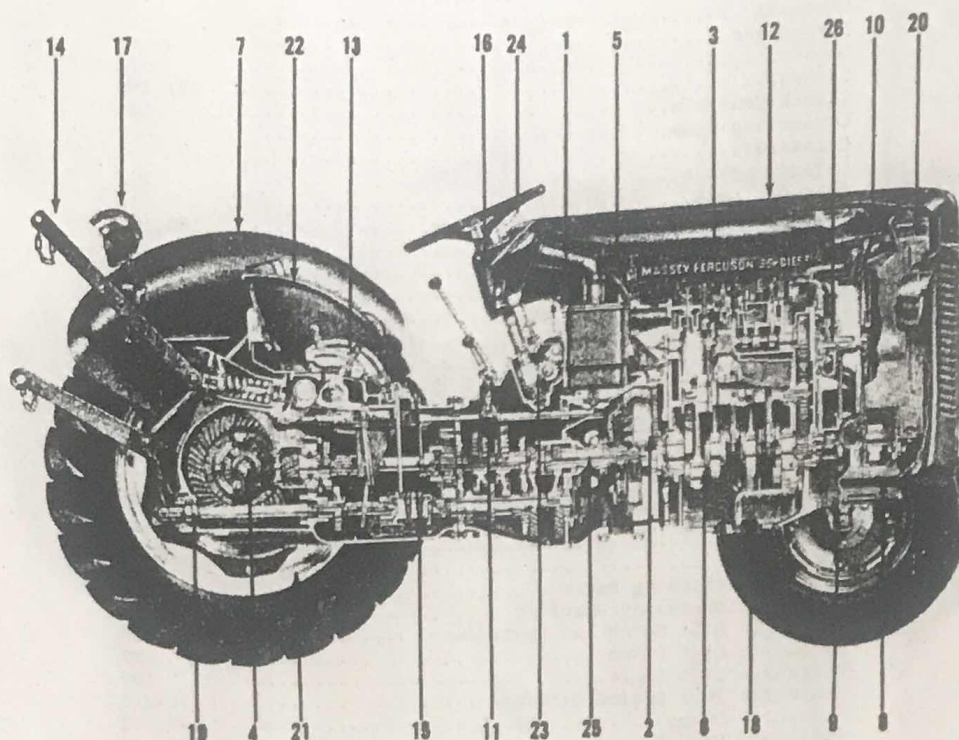
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## ENGINE

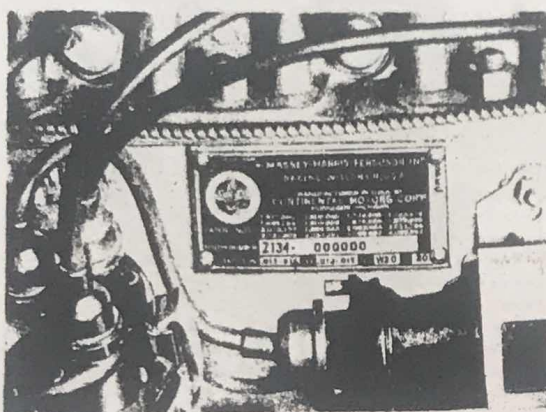
181 506 M92	Engine Assembly, Gas (Reg. Alt.) (Single Clutch).....	1
(A) 184 599 M91	Engine Assembly, Gas (Reg. Alt.) (Dual Clutch).....	1
(B) 181 507 M92	Engine Assembly, Gas (Reg. Alt.) (Dual Clutch).....	1
184 600 M91	Engine Assembly, Gas (Hi-Alt.) (Dual Clutch).....	1
(C) 829 347 M91	Engine Assembly, Diesel (Dual Clutch) (Standard Motors).....	1
(D) 828 137 M91	Engine Assembly, Diesel (Dual Clutch) (Standard Motors).....	1

## SERIAL NUMBERS ARE IMPORTANT

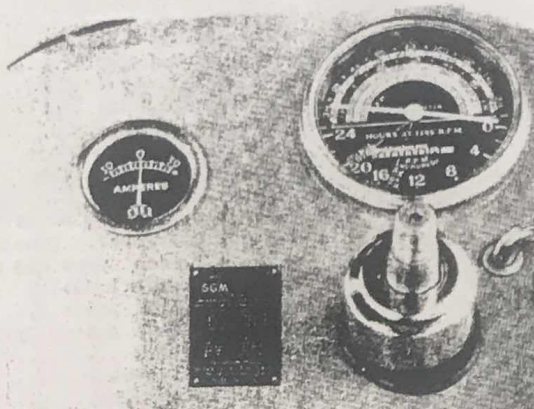
Always give COMPLETE Tractor and Engine Serial Numbers when ordering parts.

Orders are often delayed in filling due to the omission of necessary Engine or Tractor Data.

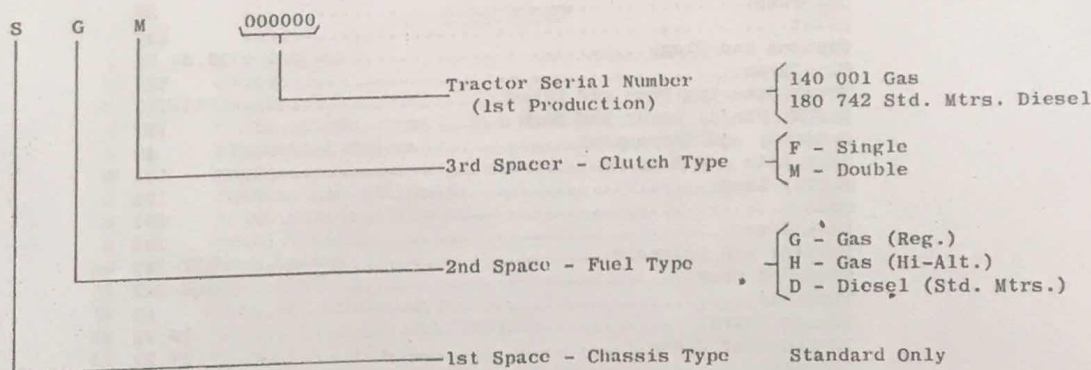
## ENGINE SERIAL NUMBER



## TRACTOR SERIAL NUMBER



## SERIAL NUMBER DATA



Notes: (A) - Used Tractor Serial Number 177 538 and up.  
(B) - Used Prior to Tractor Serial Number 177 538.  
(C) - Used Tractor Serial Number 188 851 and up.  
(D) - Used Prior to Tractor Serial Number 188 851.

# C.A.V. SERVICE STATIONS

VII

## FACTORY BRANCHES

## UNITED STATES

**CALIFORNIA**  
LOS ANGELES  
SOUTH SAN FRANCISCO

**COLORADO**  
DENVER

**FLORIDA**  
JACKSONVILLE

**ILLINOIS**  
CHICAGO

**MARYLAND**  
BALTIMORE

**MASSACHUSETTS**  
BOSTON

**NEW JERSEY**  
ENGLEWOOD

**TEXAS**  
HOUSTON

**WASHINGTON**  
SEATTLE

**DEALERS**

**ALABAMA**  
BIRMINGHAM  
Birmingham Electric Battery Company  
Industrial Hydraulics

**MOBILE**  
Benson-Saunders Specialty Inc.

**ALASKA**  
SPENARD  
Alaska Diesel Service Inc.

**ARIZONA**  
CASA GRANDE  
Diesel Electric Service Company

**PHOENIX**  
Southwest Diesel Injection Co.

**ARKANSAS**  
DE WITT  
Graves Electric Company  
JONESBORO  
Northeast Diesel

**NORTH LITTLE ROCK**  
Taylor Diesel Service

**SPRINGDALE**  
Diesel Service & Supply, Inc.

**CALIFORNIA**  
BAKERSFIELD  
Automotive Diesel & Electric Co.

**EL CENTRO**  
Valley Automotive & Diesel Service

## CALIFORNIA - Dealers Cont'd.

**EL MONTE**  
United Diesel Service

**FRESNO**  
Diesel Energy company  
Rutter Arney Bearing and Machine Works

**LONG BEACH**  
Advance Fuel Systems

**OAKLAND**  
Diesel Injection & Governor Service

**SACRAMENTO**  
Diesel Pump & Injector Service

**SAN DIEGO**  
Diesel Electric Sales & Service, Inc.  
National Pump & Injector Sales & Service

**WILMINGTON**  
Diesel Control Corporation

**COLORADO**  
GREELEY  
Fred's Auto Machine Shop  
Diesel's Inc.

**CONNECTICUT**  
HARTFORD  
W. J. Connell Company

**NEW HAVEN**  
Clark-Sons, Inc.

**DELAWARE**  
MILTON  
Benson Fuel Injection Company

**WILMINGTON**  
Philadelphia Diesel Inc.

**DISTRICT OF COLUMBIA**  
WASHINGTON  
Auto Equipment Company

**FLORIDA**  
FORT LAUDERDALE  
R.P.M. Diesel Engine Company

**FORT MYERS**  
Gulf Coast Diesel Injection Service

**MIAMI**  
Florida Diesel & Electric Co.  
Small Engine & Diesel Inc.

**OCALA**  
Williams Diesel Carburetor & Electric

**ORLANDO**  
Interstate Diesel Service

**TAMPA**  
Stuart Diesel Service

## C.A.V. SERVICE STATIONS

## UNITED STATES

**GEORGIA**  
**ATLANTA**  
 Auto Electric & Magneto Co.  
**CAIRO**  
 Grady Motors  
**WAYCROSS**  
 Motor Parts Company

**HAWAII**  
**HONOLULU**  
 Diesel Injector Service  
 Hawaiian Equipment Co. Ltd.

**IDAHO**  
**BOISE**  
 Magneto & Diesel Supply  
**TWIN FALLS**  
 United Automotive Service Inc.

**ILLINOIS**  
**FRANKLIN PARK**  
 United Diesel Service, Inc.  
**MENDOTA**  
 Mendota Diesel & Truck Service  
**PEORIA**  
 Automotive Ignition Company  
**SOUTH BELOIT**  
 Fuel Injection & Accessory Service

**INDIANA**  
**EVANSVILLE**  
 Evansville Auto Parts, Inc.  
**INDIANAPOLIS**  
 Eagle Machine Co., Inc.  
**MENTONE**  
 Smith Brothers Garage

**IOWA**  
**CEDAR RAPIDS**  
 Van's Fuel Injector Service  
**DES MOINES**  
 Electrical Service & Sales Co.

**KANSAS**  
**KEOKUK**  
 Harding Diesel Injector Service  
**SIOUX CITY**  
 Diesel Specialties Inc.

**KANSAS - cont'd.**  
**COLBY**  
 Colby Diesel Service  
**GREAT BEND**  
 Bell Engine Service  
**GRINNELL**  
 Grinnell Electric Diesel Service  
**HUTCHINSON**  
 Hutchinson Diesel Service

**KANSAS CITY**  
 Automotive & Diesel Equip. Service  
**PLAINVILLE**  
 Carmichael Magneto & Diesel Service  
**SALINA**  
 The Motor Service Co.

**KENTUCKY**  
**LOUISVILLE**  
 Diesel Injection Service Co.

**LOUISIANA**  
**BATON ROUGE**  
 Womack Brothers Diesel Service  
**MORGAN CITY**  
 Landry & Simoneaux Diesel Service Inc.  
**NEW IBERIA**  
 Arthur A. Castille  
**NEW ORLEANS**  
 Gerhardt's Inc.

**OPELOUSAS**  
 J. L. Herbert Engine Sales & Service  
**SHREVEPORT**  
 Vaughn & Bush, Inc.  
**WEST MONROE**  
 McQueen's Injection Service

**MAINE**  
**CARIBOU**  
 Belanger's Auto Electric Co.

**PORTLAND**  
 W.J. Connell Company

**MARYLAND**  
**GLEN BURNIE**  
 Maryland Diesel Service, Div. of  
 Parks & Hull Automotive Corporation

**MASSACHUSETTS**  
**SPRINGFIELD**  
 C. A. Krohne & Sons

**MICHIGAN**  
**DETROIT**  
 Auto Electric & Service Corporation  
**GRAND RAPIDS**  
 Diesel Parts Co., Inc.  
 Peninsular Engineering & Sales Inc.  
**IRON RIVER**  
 David A. MacPherson  
**ISHPEMING**  
 Andriacchi Magneto Co.

**LANSING**  
 Diesel Equipment Sales



# C.A.V. SERVICE STATIONS

IX

## UNITED STATES

### MINNESOTA

HIBBING  
Diesel Service Company

MINNEAPOLIS  
Diesel Service & Supply

### MISSISSIPPI

BILOXI  
Womack Brothers, Inc.

GREENVILLE  
J. & H. Diesel Service

JACKSON  
Womack Brothers, Inc.

MERIDIAN  
Diesel Fuel Injection Service

### MISSOURI

JOPLIN  
Joplin Diesel Injection Sales & Service

KANSAS CITY  
Electrical and Magneto Service Co., Inc.

ST. LOUIS  
Diesel Fuel Injection Service, Inc.

### MONTANA

BILLINGS  
Original Equipment, Inc.

GREAT FALLS  
Gomer & Son

HARVE  
Midwest Diesel Injection Sales & Service

MISSOULA  
Gas Diesel & Truck Shop

SHELBY  
Berube Electric

### NEBRASKA

BEATRICE  
Sprague Electric Service

COLUMBUS  
Automotive Sales & Service

GORDON  
Modern Equipment Diesel Service

HASTINGS  
Fobben Diesel Service

KIMBALL  
Diesel Service Inc.

LINCOLN  
Carl A. Anderson, Inc.

MCCOOK  
Automotive Sales & Service

NORFOLK  
Looker's, Inc.

NORTH PLATTE  
Reitan Service Co.

### NEBRASKA - cont'd.

OMAHA  
Carl A. Anderson, Inc.

### NEVADA

LAS VEGAS  
Diesel Electric Service Co. of Nevada

### NEW JERSEY

ELIZABETH  
Jersey Diesel Sales

NEWARK  
Tire Trading Company, Inc.

ROCHELLE PARK  
Eastern Process Co., Inc.

### NEW MEXICO

ALBUQUERQUE  
Central Auto Electric Company

### NEW YORK

BUFFALO  
Donnelly Diesel Service, Inc.

Hettrich Electric Service, Inc.

BROOKLYN  
A & D Diesel Service, Inc.

EAST NORTHPORT  
Diesel Injection Service

LYNBROOK  
East Coast Diesel Co.

NEWBURGH  
Kozaczek Brothers

ROCHESTER  
Union Carburetor and Ignition Service

SYRACUSE  
Ted's Electrical Services

### NORTH CAROLINA

CHARLOTTE  
Diesel Injection Sales & Service

RALEIGH  
Diesel Injection Sales & Service

### NORTH DAKOTA

BISMARCK  
Meld, Inc.

FARGO  
Midland Diesel Service & Engine Co.

GRAND FORKS  
Midland Diesel Service & Engine Co.

MINOT  
Midland Diesel Service & Engine Co.

### OHIO

AKRON  
Austin Ignition Company  
Standard Motor Parts

CINCINNATI  
Diesel Injection Service Co.

## C.A.V. SERVICE STATIONS

## UNITED STATES

OHIO - cont'd.  
CLEVELAND  
The Cleveland Ignition Co.  
Fluid Mechanics

COLUMBUS  
Brooks Ignition & Diesel Service

COLUMBUS GROVE  
Northwest Fuel Injection

DAYTON  
John's Specialized Service

DOVER  
Warther's Auto Electric

TOLEDO  
Diesel Truck Equipment

OKLAHOMA  
CHICKASHA  
Diesel Pump Service Co.

OKLAHOMA CITY  
American Electric Ignition Co.

TULSA  
Magneto Ignition Company

OREGON  
PORTLAND  
Automotive Products, Inc.

ROSEBURG  
Diesel Injection Service

PENNSYLVANIA  
ALLENTOWN  
Fuel Injection Sales & Service Co.

ERIE  
A. R. Beatty Diesel Sales and Service

HARRISBURG  
Penn Diesel Service

HAZLETON  
Penn Diesel Service

PHILADELPHIA  
Philadelphia Diesel Inc.

PITTSBURGH  
Automotive Ignition Co., Inc.

SOUTH CAROLINA  
CHARLESTON  
Diesel Injection Sales & Service

CHARLESTON HEIGHTS  
Diesel Engineers, Inc.

COLUMBIA  
Diesel Injection Sales & Service

SOUTH DAKOTA  
WINNER  
Shamrock Diesel Service

TENNESSEE  
CHATTANOOGA  
Auto Diesel Sales & Service Co., Inc.

## TENNESSEE - cont'd.

JOHNSON CITY  
Auto Diesel Sales & Service Co.

KNOXVILLE  
Auto Diesel Sales & Service

MEMPHIS  
Automotive Electric Service Co., Inc.  
M & M Fuel Injections  
Taylor Diesel Service

NASHVILLE  
Auto Diesel Sales & Service Co.

## TEXAS

AMARILLO  
Wilson Battery & Electric

BROWNSVILLE  
Diesel Fuel Injection Service

CORPUS CHRISTI  
Diesel Injection Service

DALLAS  
Texas Fuel Injection Service

EL PASO  
Border Electrical Division  
Central Auto Electric Co.

ODESSA  
Electric Service & Supply

SAN ANTONIO  
Monroe Diesel & Injector Service

TYLER  
East Texas Fuel Injection

## UTAH

SALT LAKE CITY  
Diesel Electric Service & Supply Co.

VERNAL  
Superior Diesel Service

## VIRGINIA

FALLS CHURCH  
Diesel Injection Sales & Service

HARRISONBURG  
Valley Distributors, Inc.

NORFOLK  
Diesel Injection Sales & Service

RICHMOND  
Diesel Injection Sales & Service

SALEM  
Diesel Injection Sales & Service

## WASHINGTON

SPOKANE  
Spokane Diesel, Inc.

# C.A.V. SERVICE STATIONS

XI

## UNITED STATES

### WEST VIRGINIA

#### CLARKSBURG

Craig Motor Service Co., Inc.

#### GREEN BAY

Lucia Auto Motive Inc.

### WISCONSIN

#### MADISON

Diesel Injection Service

#### MAUSTON

Young Brothers, Inc.

#### MILWAUKEE

Fuel Injection & Electric Co.

#### WAUSAU

Young Brothers, Inc.

### PUERTO RICO

#### SAN TURCE

Tecno-Diesel

## C.A.V. SERVICE STATIONS

## CANADA

FACTORY BRANCHES  
JOSEPH LUCAS (CANADA) LTD.

ONTARIO  
TORONTO (Scarborough)

QUEBEC  
MONTREAL

DEALERS  
ALBERTA  
CALGARY

Hutton's Limited

EDMONTON  
Loveseth Limited

Smith's Battery & Electric Ltd.

United Diesel Injection Ltd.

LETHBRIDGE  
Hutton's Limited

MEDICINE HAT  
Hutton's Limited

BRITISH COLUMBIA  
CRANBROOKE  
Hutton's (Cranbrook) Limited

VANCOUVER  
Auto Electric Service (Pacific) Ltd.  
Fred Holmes Fuel Injection Sales & Service Ltd.

MANITOBA  
SIDNEY  
Sidney Auto Electric

WINNIPEG  
Auto Electric Service (Western) Ltd.  
Brown & Murray Ltd.  
Pritchard Engineering Co., Ltd.

NEW BRUNSWICK  
FREDERICTON  
Stairs Brothers

NEWFOUNDLAND  
ST. JOHN'S  
A. H. Murray & Co. Ltd.  
Newfoundland Armature Works Ltd.  
Steel & Engine Products Ltd.

NOVA SCOTIA  
HALIFAX  
Stairs Brothers

LIVERPOOL  
Steel & Engine Products Ltd.

## ONTARIO

HAMILTON  
Hamilton Auto Supply

KINGSTON  
Diesel Injection Service of Kingston

LONDON  
Universal Ignition & Battery Ltd.

OTTAWA  
Diesel Injection Service (Ottawa)

PORT ARTHUR  
Lakehead Diesel Services Limited

SUDBURY  
Yuill & Craig Auto Electric Ltd.

TORONTO  
Addison Auto Electric (Toronto) Ltd.

Auto Electric Service Co. Ltd.

Diesel & Automotive Service

Joseph Lucas (Canada) Limited

Diesel Equipment Ltd.

QUEBEC  
MONTREAL  
J. A. Faguy & Sons

Joseph Lucas (Canada) Ltd.

John Millen & Son Ltd.

QUEBEC  
John Millen (Quebec) Ltd.  
Marcel Rochette Ltd.

POINT VIAU  
Montreal Diesel Fuel Pump

ST. HYACINTHE  
Maska Auto Electric

SHERBROOKE  
Crankshaft Grinding & Diesel Inc.  
John Millen (Sherbrooke) Ltd.

THREE RIVERS  
John Millen (Three Rivers) Ltd.

SASKATCHEWAN  
REGINA  
Diesel Injection Service (Regina) Ltd.  
Electric Motor Service

SASKATOON  
Lambert Electric Ltd.  
Robinson Fuel Injection





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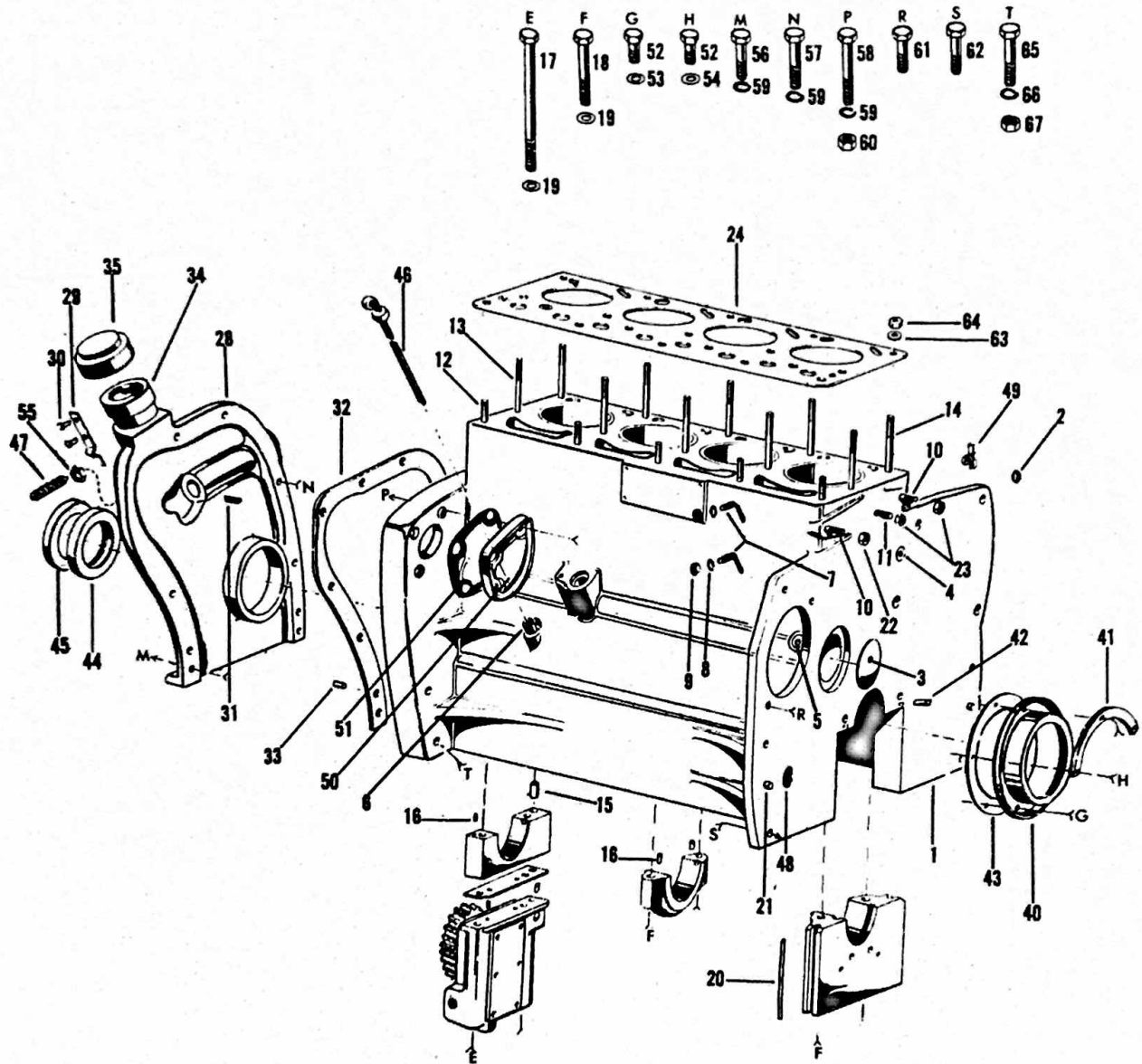
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## CYLINDER BLOCK, TIMING GEAR COVER

F207-53





## CYLINDER BLOCK, TIMING GEAR COVER

3

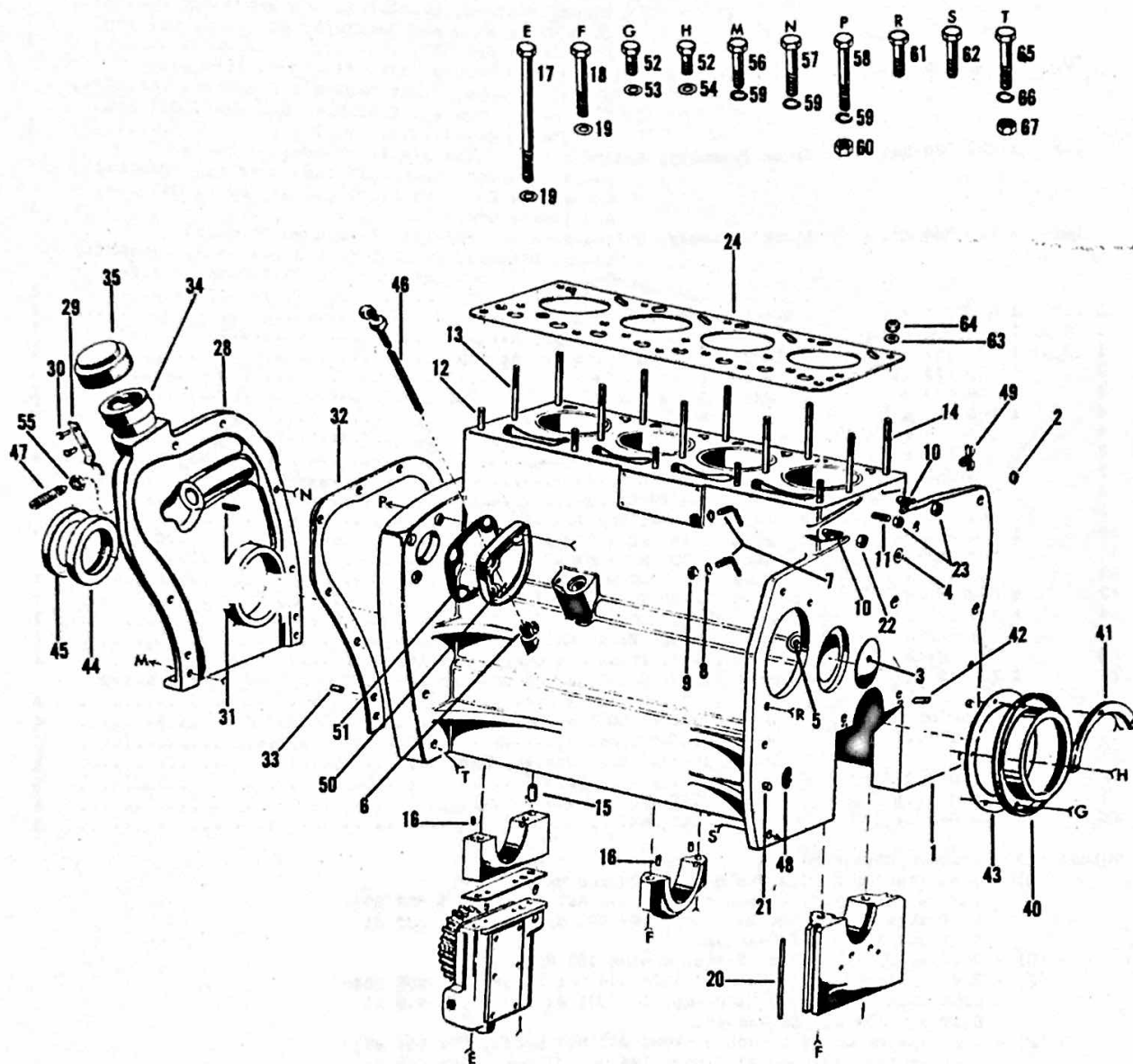
(GAS)

Ref. No.	Part No.	Description	No. Req.
(A)	1 024 942 M91	Block Assembly, Cylinder, Short (Reg. Alt.)(Includes Stripped Block, Pistons, Crankshaft and Bearings, Camshaft, Connecting Rods and Bearings, Oil Pump, Oil Pan, and Timing Gears).....	1
(B,C)	1 752 395 M91	Block Assembly, Cylinder, Short (Reg. Alt.)(Includes Stripped Block, Pistons, Crankshaft and Bearings, Camshaft, Connecting Rods and Bearings, Oil Pump, Oil Pan, and Timing Gears).....	1
(D,C)	1 750 196 M91	Block Assembly, Cylinder, Short (Reg. Alt.)(Includes Stripped Block, Pistons, Crankshaft and Bearings, Camshaft, Connecting Rods and Bearings, Oil Pump, Oil Pan, and Timing Gears).....	1
(A)	1 026 530 M91	Block Assembly, Cylinder, Short (Hi-Alt.)(Includes Stripped Block, Pistons, Crankshaft and Bearings, Camshaft, Connecting Rods and Bearings, Oil Pump, Oil Pan, and Timing Gears).....	1
(E)	1 752 396 M91	Block Assembly, Cylinder, Short (Hi-Alt.)(Includes Stripped Block, Pistons, Crankshaft and Bearings, Camshaft, Connecting Rods and Bearings, Oil Pump, Oil Pan, and Timing Gears).....	1
1 (A)	1 024 941 M91	Block Assembly, Cylinder, Stripped.....	1
1 (B,F)	1 752 394 M91	Block Assembly, Cylinder, Stripped.....	1
1 (D,G)	1 750 197 M91	Block Assembly, Cylinder, Stripped.....	1
2	1 750 122 M1	Plug (1" Expansion).....	1
3	19 259 X	Plug (2-1/8" Expansion).....	1
4	1 000 148 M1	Plug (1/8" Pipe, Slted. Hd.).....	2
5	355 543 X1	Plug (1/8" Pipe, Sq. Hd.).....	2
6	17 595 A	Support, Oil Level Gauge.....	1
7	1 958 X	Stud (1/4" NC x 7/8").....	2
8	353 441 X1	Washer (1/4" Lock).....	2
9	354 121 X1	Nut (1/4" NC, Hex.).....	2
10	1 754 353 M1	Stud (7/16" NC x 1-5/16").....	2
11	353 963 X1	Stud (7/16" NC - NF x 1-3/4").....	1
12	353 964 X1	Stud (7/16" NC - NF x 1-7/8").....	5
13	1 008 281 M1	Stud (7/16" NC - NF x 4-5/16").....	2
14	1 035 877 M1	Stud (7/16" NC - NF x 4-11/16").....	8
15	17 608 A	Dowel, Ring, Front Main Bearing Cap.....	1
16	760 402 M1	Dowel, Pin, Front and Center Bearing Caps.....	3
17	1 750 131 M1	Belt, Front Main Bearing Caps (also holds Oil Pump (1/2 x 6-1/2" NC, Hex.).....	2
18	21 215 A	Bolt, Center and Rear Bearing Caps (1/2 x 2-1/2" NC, Hex.).....	4
19	353 773 X1	Washer (1/2" Special).....	6
20 (H)		Packing, Rear Main Bearing Cap.....	1
21	180 069 M1	Dowel.....	2
22	353 426 X1	Nut (7/16" NF, Hex.).....	1
23	355 643 X1	Nut (7/16" Hex. Special).....	2

- Notes: (A) - Service Replacement.  
 (B) - Used Tractor Serial Number 162 606 and up.  
 (C) - For repairs order 1 each of 1024 942 M91 Block, 194 058 M91 Distributor, 194 060 M1 Clamp, 194 061 M1 Seal, 353 679 X1 Bolt and 353 446 X1 Washer.  
 (D) - Used prior to Tractor Serial Number 162 606.  
 (E) - For repairs order 1 each of 1026 530 M91 Block, 194 058 M91 Distributor, 194 060 M1 Clamp, 194 061 M1 Seal, 353 679 X1 Bolt and 353 446 X1 Washer.  
 (F) - For repairs order 1 each of 1024 941 M91 Block, 194 058 M91 Distributor, 194 060 M1 Clamp, 194 061 M1 Seal, 353 679 X1 Bolt and 353 446 X1 Washer.  
 (G) - For repairs order 1 each of 1024 941 M91 Block, 1751 846 M1 Cover, 191 469 M1 Gasket and 3 each of 355 566 X1 Nut, 353 550 X1 Bolts and 353 434 X1 Washers.  
 (H) - For repairs order (1) 1021 673 M1 Packing (6' Strip).

## CYLINDER BLOCK, TIMING GEAR COVER

F207-53



## CYLINDER BLOCK, TIMING GEAR COVER - Cont'd.

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(GAS)

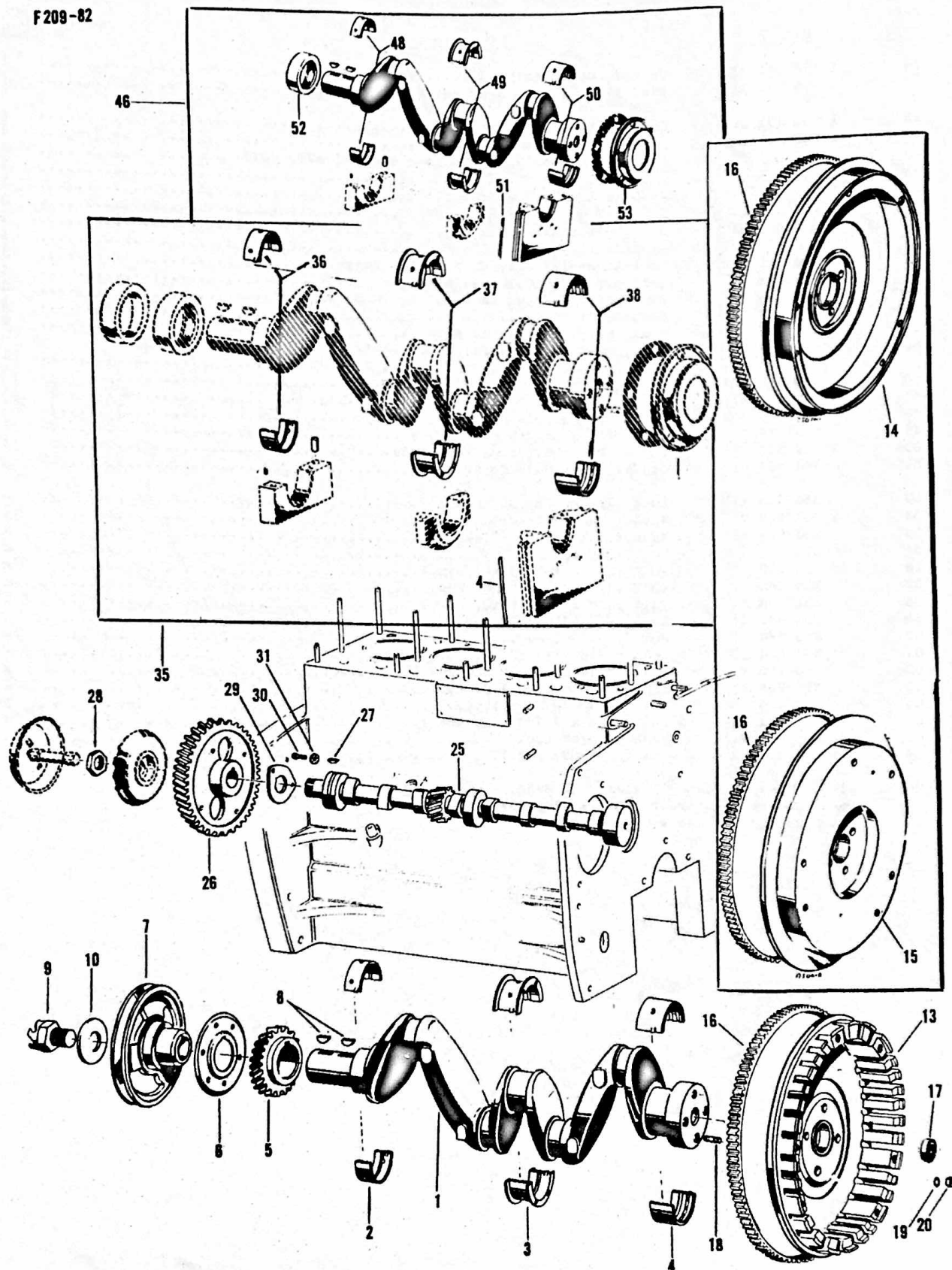
Ref. No.	Part No.	Description	No. Req.
24	1 750 017 M1 15 251 A	Gasket, Cylinder Head..... Pin, Plate (1/8 x 3/8" Rd. Hd.).....	1 1
28	1 750 661 M91	Cover Assembly, Timing Gears.....	1
29 (J)	1 500 071 M1	Spring, Governor Bumper.....	1
30	16 863 X	Rivet, Bumper Spring (Order 480 791 M91, Box).....	2
31	1 750 151 M1	Pin, Bearing Stop.....	1
32	1 750 032 M1	Gasket, Timing Gear Cover.....	1
33	191 314 M1	Dowel, Pin, Timing Gear Cover.....	2
34 (K)	1 750 098 M1	Pipe, Oil Filler.....	1
35	760 029 M91	Cap Assembly, Oil Filler Pipe.....	1
40	1 750 216 M92	Seal Assembly, Oil, Crankshaft, Rear.....	1
41	1 753 957 M1	Reinforcement, Oil Seal Retainer.....	1
42	760 405 M1	Pin, Reinforcement to Retainer (5/32 x 7/16").....	2
43	1 750 112 M1	Gasket, Oil Seal.....	1
44	1 008 597 M1	Seal, Oil, Crankshaft, Front.....	2
45	15 288 A	Seal, Dust, Crankshaft, Front (2-1/8 x 3 x 1/4" Felt)(Order 1 008 597 M1).....	1
46	1 750 095 M91	Gauge Assembly, Oil Level.....	1
47	760 138 M1	Screw, Governor Bumper Spring Adjusting.....	1
48	195 546 M1	Plug, Timing Hole Cover.....	1
49	763 716 M1	Cock, Water Jacket Drain.....	1
50	1 751 846 M1	Cover, Power Steering Pump Hole.....	1
51	191 469 M1	Gasket, Pump Hole Cover.....	1
52	353 666 X1	Bolt (1/4 x 5/8" NC, Hex.).....	x
53	1 751 636 M1	Washer (1/4" Copper).....	x
54	353 754 X1	Washer (1/4" Small Flat).....	x
55	355 564 X1	Nut (1/4" NC, Hex.).....	x
56	353 692 X1	Bolt (3/8 x 1-1/8" NC, Hex.).....	x
57	354 263 X1	Bolt (3/8 x 1-5/8" NC, Hex.).....	x
58	354 268 X1	Bolt (3/8 x 2-3/8" NC, Hex.).....	x
59	353 434 X1	Washer (3/8" Lock).....	x
60	355 566 X1	Nut (3/8" NC, Hex.).....	x
61	353 698 X1	Bolt (7/16 x 1" NC, Hex.).....	x
62	353 700 X1	Bolt (7/16 x 1-1/4" NC, Hex.).....	x
63	353 757 X1	Washer (7/16" Small Flat).....	x
64	353 426 X1	Nut (7/16" NF, Hex.).....	x
65	353 614 X1	Bolt (5/8 x 1-7/8" NF, Hex.).....	x
66	353 433 X1	Washer (5/8" Lock).....	x
67	353 427 X1	Nut (5/8" NF, Hex.).....	x

Notes: (J) - Straight Piece; Dealer will Bend.

(K) - For repairs order (1) 1018 113 M91 Pipe  
and (1) 15 345 A Cap.

# FLYWHEEL, CAMSHAFT, CRANKSHAFT AND TIMING GEARS

F209-82





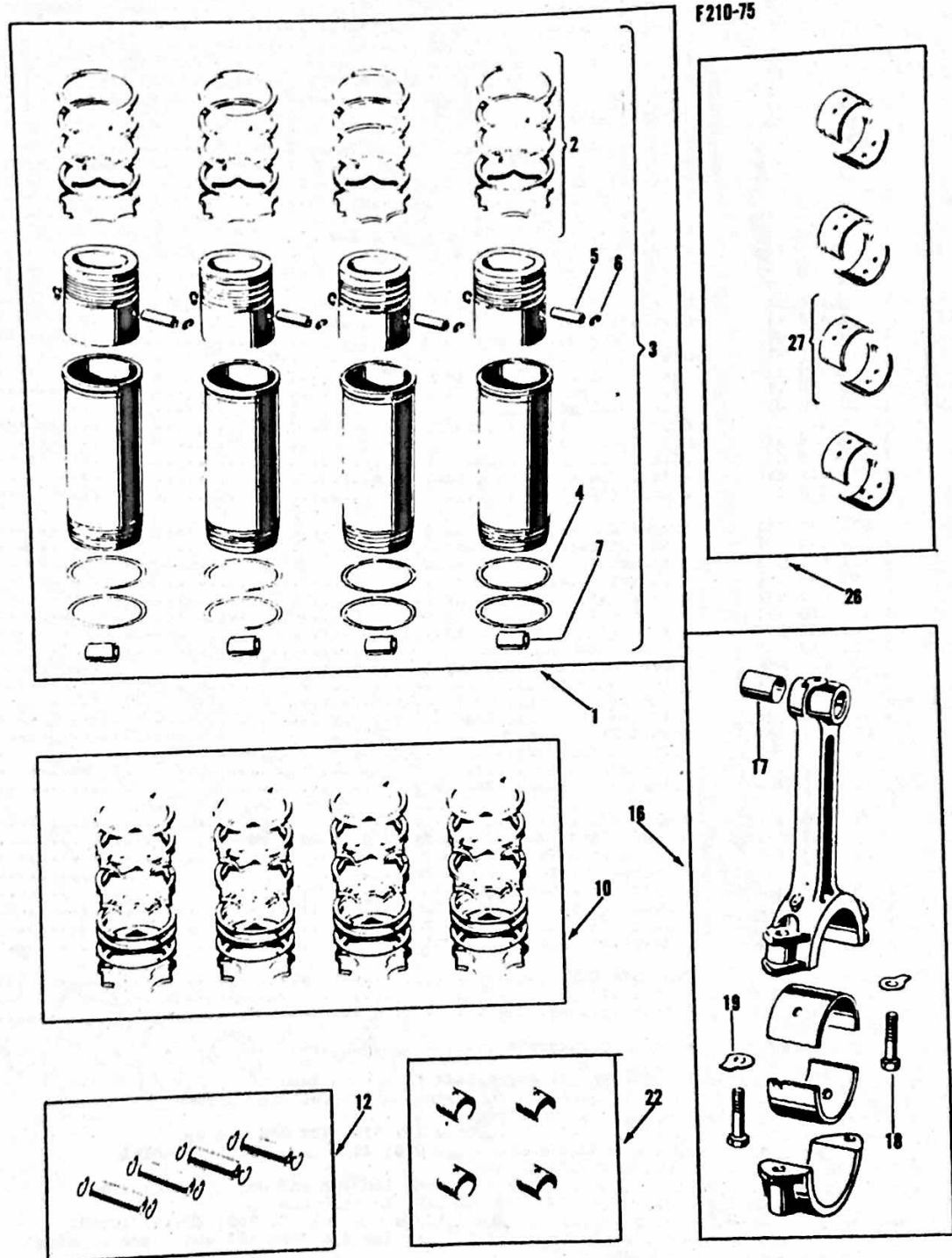
# FLYWHEEL, CAMSHAFT, CRANKSHAFT AND TIMING GEARS

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Ref. No.	Part No.	(GAS) Description	No. Req.
1 (A)	1 750 169 M1	Crankshaft.....	1
2	1 751 444 M91	Insert Assembly, Front (See Item #35).....	1
3	1 751 440 M91	Insert Assembly, Center (See Item #35).....	1
4	1 751 448 M91	Insert Assembly, Rear (See Item #35).....	1
5	1 750 054 M1	Gear, Crankshaft Timing (Std.).....	1
5 (B)	1 750 203 M1	Gear, Crankshaft Timing (-.001").....	x
5 (B)	1 750 205 M1	Gear, Crankshaft Timing (-.002").....	x
5 (B)	1 750 202 M1	Gear, Crankshaft Timing (+.001").....	x
5 (B)	1 750 204 M1	Gear, Crankshaft Timing (+.002").....	x
6	15 288 A	Washer, Oil Throw-off.....	1
7	1 750 076 M1	Pulley, Fan Drive.....	1
8	15 356 A	Key, Crankshaft (1/4 x 1" Hi-Pro).....	2
9	1 754 021 M1	Jaw, Crankshaft Starting.....	1
10	1 750 149 M1	Washer, Starting Jaw.....	1
13 (C)	1 754 020 M91	Flywheel Assembly (Dual Clutch)(Incl. Item #16).....	1
14 (D)	1 750 041 M91	Flywheel Assembly (Dual Clutch)(Incl. Item #16).....	1
15	1 750 040 M91	Flywheel Assembly (Single Clutch)(Incl. Item #16).....	1
16	1 750 034 M1	Gear, Starter Ring.....	1
17	832 960 M3	Bearing, Clutch Pilot.....	1
18	1 750 134 M1	Stud, Flywheel (7/16" NC - NF x 1-9/16").....	4
19	359 404 X1	Washer (7/16" Int. Skpf.).....	4
20	353 426 X1	Nut (7/16" NF, Hex.).....	4
25 (E)	1 750 293 M1	Camshaft.....	1
25 (F)	1 750 074 M1	Camshaft.....	1
26	1 750 237 M1	Gear, Camshaft Timing (Std.).....	1
26 (B)	1 750 207 M1	Gear, Camshaft Timing (-.001").....	x
26 (B)	1 750 209 M1	Gear, Camshaft Timing (-.002").....	x
26 (B)	1 750 206 M1	Gear, Camshaft Timing (+.001").....	x
26 (B)	1 750 208 M1	Gear, Camshaft Timing (+.002").....	x
27	1 691 X	Key (5/32 x 5/8" Woodruff).....	1
28	1 500 098 M1	Nut, Camshaft.....	1
29	1 500 056 M1	Plate, Camshaft Thrust.....	1
30	1 750 127 M1	Bolt (5/16 x 1/2" NC, Hex., Spec.).....	2
31	22 428 X	Washer (5/16" Lock).....	2
35	830 516 M91	Insert Kit, Main Bearing (Std.).....	x
36	1 751 444 M91	Insert Assembly, Front.....	1
37	1 751 440 M91	Insert Assembly, Center.....	1
38	1 751 448 M91	Insert Assembly, Rear.....	1
35	830 637 M91	Insert Kit, Main Bearing (-.002").....	x
36	1 751 445 M91	Insert Assembly, Front.....	1
37	1 751 441 M91	Insert Assembly, Center.....	1
38	1 751 449 M91	Insert Assembly, Rear.....	1
35	830 638 M91	Insert Kit, Main Bearing (-.010").....	x
36	1 751 446 M91	Insert Assembly, Front.....	1
37	1 751 442 M91	Insert Assembly, Center.....	1
38	1 751 450 M91	Insert Assembly, Rear.....	1
35	830 639 M91	Insert Kit, Main Bearing (-.020").....	x
36	1 751 447 M91	Insert Assembly, Front.....	1
37	1 751 443 M91	Insert Assembly, Center.....	1
38	1 751 451 M91	Insert Assembly, Rear.....	1
46	830 686 M91	Crankshaft Kit.....	1
48	830 516 M91	Insert Set, Main Bearings (Std.)(See Item 35).....	1
49	1 751 444 M91	Insert Assembly, Front.....	1
50	1 751 440 M91	Insert Assembly, Center.....	1
51	1 751 448 M91	Insert Assembly, Rear.....	1
51	1 021 673 M1	Packing, Rear Bearing Cap (12" Ball).....	1
52	1 008 597 M1	Seal, Oil, Crankshaft, Front.....	1
53	1 750 216 M92	Retainer Assembly, w/Oil Seal, Rear.....	1
	836 543 M91	Camshaft Kit.....	1
	1 750 293 M1	Camshaft.....	1
		Instructions.....	1
(G)	733 504 M1	Pulley, Crankshaft.....	1

- Notes: (A) - For repairs order 830 686 M91 Crankshaft Kit. See Item 46.  
 (B) - Undersize and oversize Gears are furnished on special orders when needed to obtain quiet gear operation.  
 (C) - Used Tractor Serial Numbers 177 395 thru 177 519, 177 538 and up.  
 (D) - Used prior to Tractor Serial Numbers 177 395; Also used Tractor Serial Numbers 177 520 thru 177 537.  
 (E) - Used Tractor Serial Numbers (Single Clutch) 166 768 and up; (Dual Clutch) 167 258 thru 167 805, 168 319 thru 168 339, 168 505 and up.  
 (F) - Used prior to Tractor Serial Numbers (Single Clutch) 166 768; (Dual Clutch) 167 258, also used 167 806 thru 168 318 and 168 340 thru 168 504. For repairs order 836 543 M91 Camshaft Kit.  
 (G) - For use when equipped with 102 Loader.

## PISTONS, RINGS, CONNECTING RODS



# PISTONS, RINGS, CONNECTING RODS

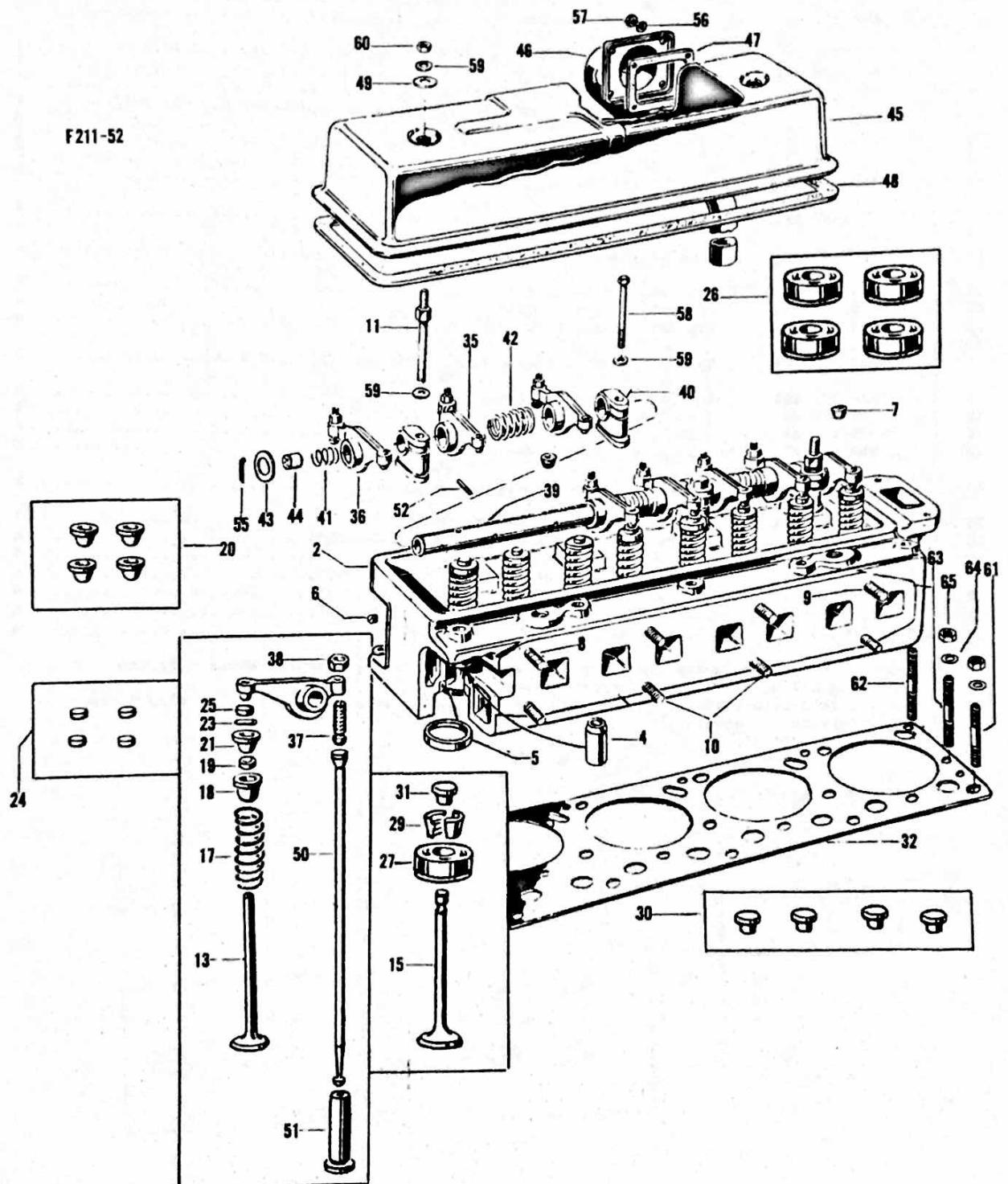
9

(GAS)

Ref. No.	Part No.	Description	No. Req.
1	830 697 M91	Piston and Sleeve Set (Regular Alt.).....	1
2 (A)	830 492 M91	Ring Set, Piston (Re-Ring Type)(Order 836 097 M91).....	1
3	1 752 401 M91	Piston and Sleeve Assembly (Incl. Rings)(Order 830 697 M91).....	4
4	1 750 000 M1	Ring, Sleeve Packing.....	2
5	15 798 A	Pin, Piston.....	1
6	15 256 A	Ring, Piston Pin Retaining.....	2
7	760 916 M1	Bushing, Piston Pin.....	1
1	677 396	Hi-Altitude Conversion Kit (Order on Whole Goods).....	1
	830 698 M91	Piston and Sleeve Set (Hi-Alt.).....	1
2 (A)	830 492 M91	Ring Set, Piston (Re-Ring Type)(Order 836 097 M91).....	1
3		Piston and Sleeve Assembly (Incl. Rings)(Order 830 698 M91).....	4
4	1 750 000 M1	Ring, Sleeve Packing.....	2
5	15 798 A	Pin, Piston (Order 840 712 M91).....	1
6	15 256 A	Ring, Piston Pin Retaining.....	2
7	760 916 M1	Bushing, Piston Pin.....	1
(C)	836 097 M91	Ring Set (Chrome).....	1
10 (B)	830 780 M91	Ring Set, Piston (Order 836 097 M91).....	x
12	840 712 M91	Pin Set, Piston (Std.).....	x
12	840 713 M91	Pin Set, Piston (+.003").....	x
12	840 714 M91	Pin Set, Piston (+.005").....	x
	830 908 M91	Shim Kit, Piston Sleeve (Incl. 6 Shims .005" and 6 Shims .0015").....	1
16	830 644 M91	Rod Assembly, Connecting.....	4
17	760 916 M1	Bushing, Piston Pin.....	1
18	1 750 043 M1	Bolt, Connecting Rod.....	2
19	1 750 042 M1	Lock, Connecting Rod Bolt.....	2
22	840 708 M91	Bushing Set, Piston Pin.....	x
26	830 486 M91	Insert Kit, Connecting Rod Bearing (Std.).....	1
26	830 508 M91	Insert Kit, Connecting Rod Bearing (-.002").....	x
27	1 750 186 M91	Insert Assembly, Bearing (-.002").....	4
26	830 509 M91	Insert Kit, Connecting Rod Bearing (-.010").....	x
27	1 750 187 M91	Insert Assembly, Bearing (-.010").....	4
26	830 510 M91	Insert Kit, Connecting Rod Bearing (-.020").....	x
27	1 750 188 M91	Insert Assembly, Bearing (-.020").....	4

Notes: (A) - Re-Ring Type Piston Ring Sets are recommended for repairs when Rings only are installed to insure peak performance.  
 (B) - 2 in 1 Type Piston Ring Sets are recommended for repairs when used in worn Sleeves.  
 (C) - Service Replacement.

## CYLINDER HEAD VALVES





## CYLINDER HEAD VALVES

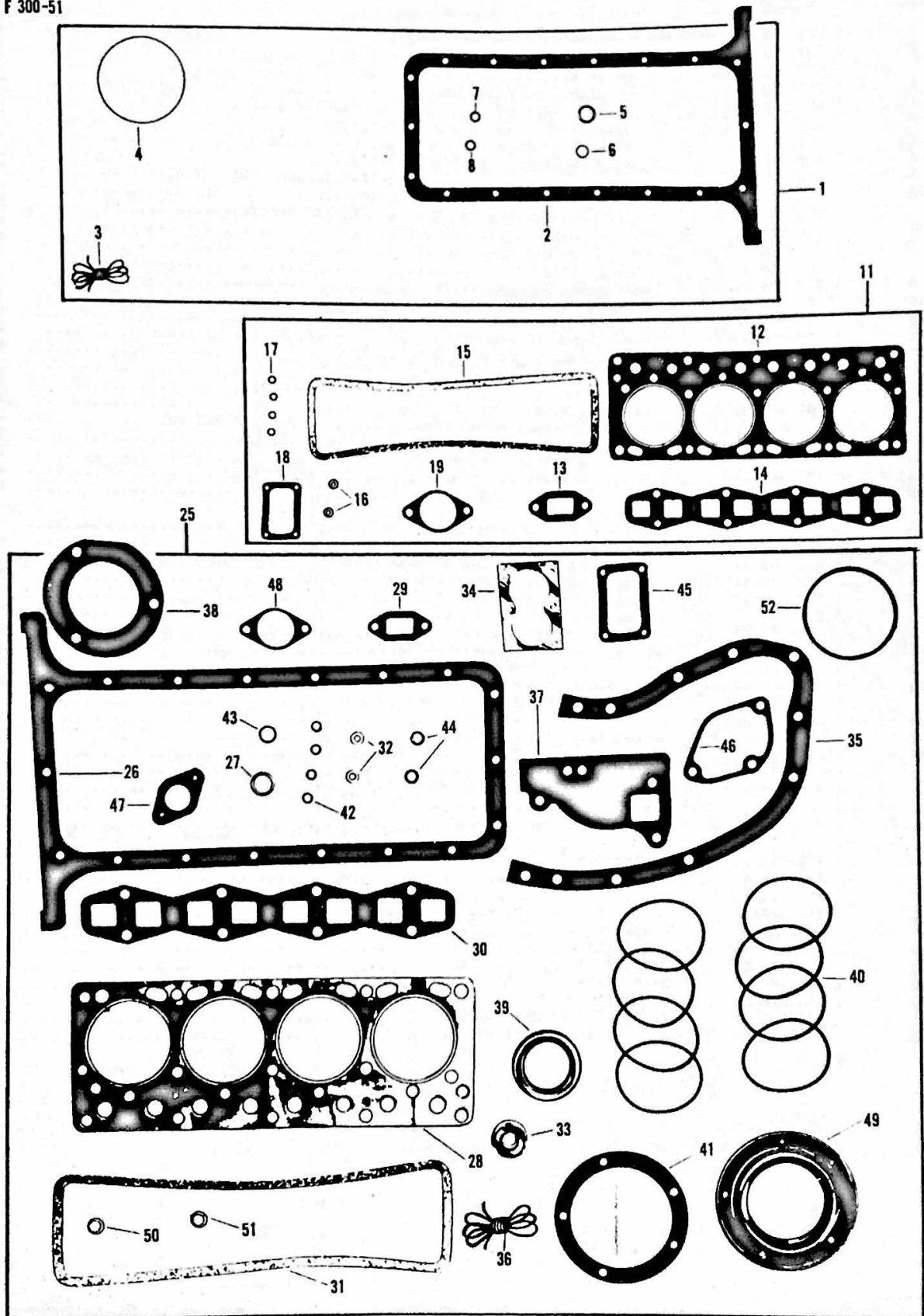
11

(GAS)

Ref. No.	Part No.	Description	No. Req.
	1 750 198 M91	Head Assembly, Cylinder (Short).....	1
2	1 750 199 M91	Head Assembly, Cylinder (Stripped).....	1
	830 490 M91	Guide Kit, Valve.....	1
4	1 750 069 M1	Guide (Order 830 490 M91).....	8
5	1 750 212 M1	Insert, Exhaust Valve Seat (+.010").....	4
6	355 542 X1	Plug (1/8" Pipe, Sq. Hd., Int.).....	1
7	22 771 X	Plug (1/2" Pipe, Sq. Hd., Int.).....	2
8	1 007 532 M1	Stud, Manifold (3/8" NC x 1-5/8").....	1
9	16 544 A	Stud, Manifold (3/8" NC x 1-3/4")(Order 1007 532 M1).....	1
10	21 207 A	Stud, Manifold (3/8" NC x 1-1/2").....	6
11	1 750 068 M1	Stud, Rocker Arm (3/8" NC x 3-13/32" Special).....	2
13	1 750 070 M1	Valve, Intake.....	4
15	1 750 072 M1	Valve, Exhaust.....	4
17	21 176 A	Spring, Valve.....	8
18	1 750 061 M1	Guard, Oil, Intake Valve.....	4
19	1 750 062 M1	Gasket, Oil Guard.....	4
20	830 703 M91	Retainer Kit, Valve Spring.....	1
21	1 750 059 M1	Retainer, Intake Valve Spring (Order 830 703 M91).....	4
23	18 291 A	Pin, Intake Valve Spring Retainer.....	4
24	830 704 M91	Cap Kit, Intake Valve Stem.....	1
25	1 750 060 M1	Cap, Intake Valve Stem (Order 830 704 M91).....	4
26	835 983 M91	Cap Kit, Roto, Exhaust Valve.....	1
27		Cap Assembly, Roto, Exhaust Valve (Order 835 983 M91).....	4
29	1 004 512 M1	Lock, Exhaust Valve.....	8
30	830 705 M91	Cap Kit, Exhaust Valve Stem.....	1
31	1 750 071 M1	Cap, Exhaust Valve Stem (Order 830 705 M91).....	4
32	1 750 017 M1	Gasket, Cylinder Head.....	1
35	1 750 066 M91	Arm Assembly, Rocker, Left.....	4
36	1 750 067 M91	Arm Assembly, Rocker, Right.....	4
37	1 005 935 M1	Screw, Adjusting, Valve Tappet.....	1
38	353 916 X1	Nut, Lock, Adjusting Screw (5/16" NF, Hex.).....	1
39	1 750 073 M1	Shaft, Rocker Arm.....	1
40	1 750 055 M1	Support, Rocker Arm Shaft.....	4
41	1 750 056 M1	Spring, Rocker Arm Shaft, Short.....	2
42	1 750 057 M1	Spring, Rocker Arm Shaft, Long.....	3
43	1 755 067 M1	Washer, Rocker Shaft (41/64 x 7/8 x 1/32").....	2
44	1 750 124 M1	Plug, Rocker Shaft (Cork).....	2
45	1 750 011 M91	Cover Assembly, Cylinder Head.....	1
46	1 751 849 M91	Tube Assembly, Cover Vent.....	1
47	1 750 006 M1	Gasket, Tube.....	1
48	1 750 002 M1	Gasket, Cover to Head.....	1
49	11 277 X	Gasket, Hold Down Stud.....	2
50	1 750 058 M1	Rod, Valve Push.....	8
51	1 750 111 M1	Tappet, Valve.....	8
52	1 750 120 M1	Pin (3/32 x 5/8" Groove).....	1
55	354 043 X1	Cotter Pin (1/16 x 1").....	x
56	353 441 X1	Washer (1/4" Lock).....	x
57	354 121 X1	Nut (1/4" NC, Hex.).....	x
58	353 897 X1	Bolt (3/8 x 2" NC, Hex.).....	x
59	353 756 X1	Washer (3/8" Reg. Flat).....	x
60	354 123 X1	Nut (3/8" NC, Hex.).....	x
61	353 964 X1	Stud (7/16" NC - NF x 1-7/8").....	x
62	1 008 281 M1	Stud (7/16" NC - NF x 4-5/16").....	x
63	1 035 877 M1	Stud (7/16" NC - NF x 4-11/16").....	x
64	353 757 X1	Washer (7/16" Small Flat).....	x
65	353 426 X1	Nut (7/16" NF, Hex.).....	x

## ENGINE GASKET KITS

F 300-51



# ENGINE GASKETS AND SEALS

13

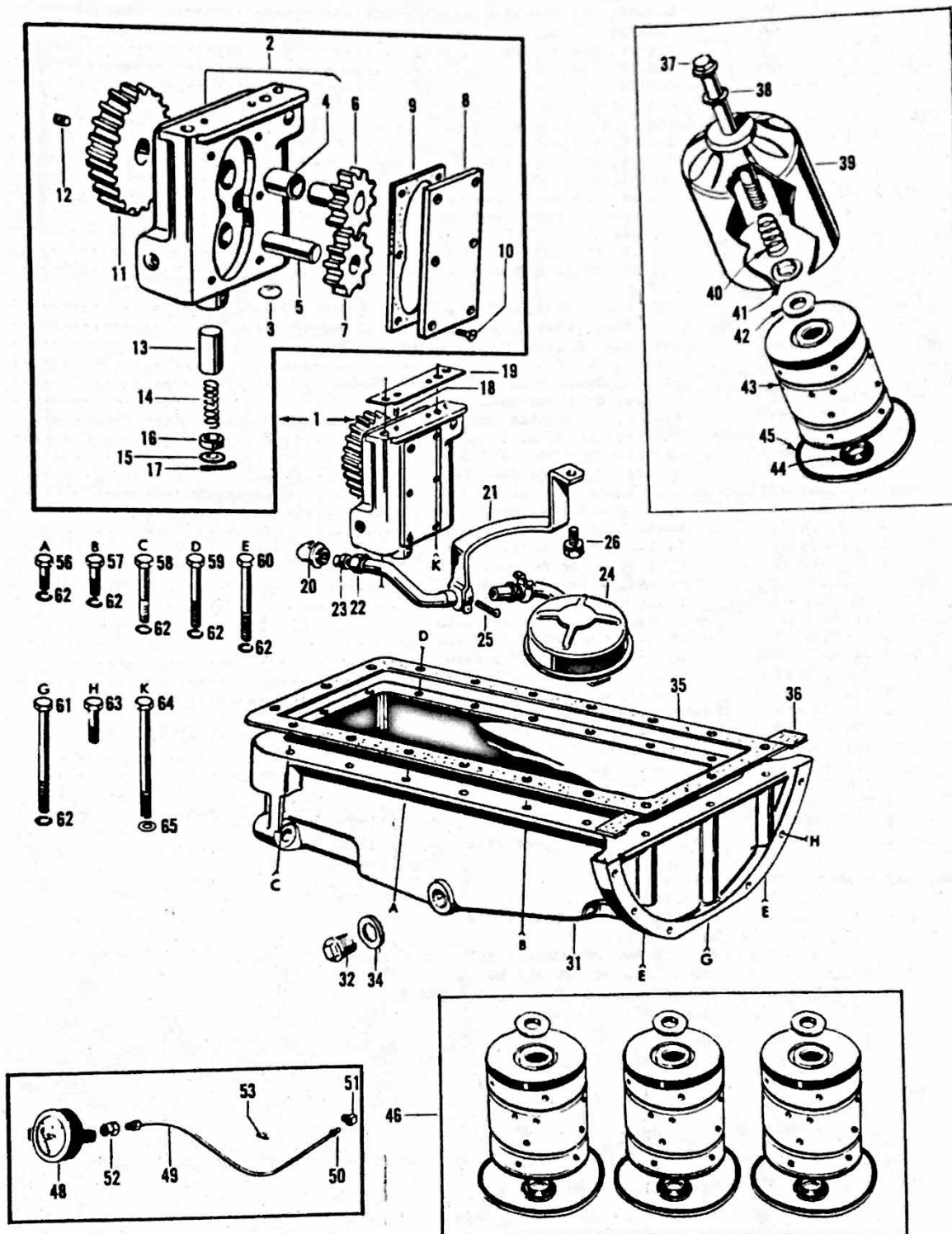
(GAS)

Ref. No.	Part No.	Description	No. Req.
1 (A)	836 289 M91	Gasket Kit, Oil Pan.....	1
2	1 021 451 M1	Gasket, Oil Pan.....	1
3	1 021 673 M1	Packing, Rear Bearing Cap (6').....	1
4	1 750 269 M1	Gasket, Oil Pan and Filter Cover.....	1
5	1 750 357 M1	Gasket, Oil Drain Plug.....	1
6	1 031 414 M1	Washer, Drain Plug.....	1
7	1 750 355 M1	Gasket.....	1
8	1 750 356 M1	Gasket.....	1
11 (A)	836 287 M91	Gasket Kit, Valve Grinding.....	1
12	1 750 017 M1	Gasket, Cylinder Head.....	1
13	181 528 M1	Gasket, Thermostat Body.....	1
14	1 750 045 M1	Gasket, Manifold.....	1
15	1 750 002 M1	Gasket, Cylinder Head Cover.....	1
16	11 277 X	Gasket, Cylinder Head Cover Studs.....	2
17	1 750 062 M1	Gasket, Intake Valve Stem.....	4
18	1 750 006 M1	Gasket, Cylinder Head Cover Vent Cap.....	1
19	181 526 M1	Gasket, Water Elbow.....	1
(B,C)	830 688 M91	Gasket Kit, Oil Pan (Incl. Items 26 and 27).....	1
(B,D)	830 690 M91	Gasket Kit, Valve Grinding (Incl. Items 28 thru 31).....	1
25 (E)	830 689 M91	Gasket Kit, Engine (Incl. Items 26 thru 52).....	1
26	1 022 451 M1	Gasket, Oil Pan.....	1
27	1 750 118 M1	Gasket, Drain Plug.....	1
28	1 750 017 M1	Gasket, Cylinder Head.....	1
29	181 528 M1	Gasket, Thermostat Body.....	1
30	1 750 045 M1	Gasket, Manifold.....	1
31	1 750 002 M1	Gasket, Cylinder Head Cover.....	1
32	11 277 A	Gasket, Cylinder Head Cover Studs.....	2
33	1 750 084 M91	Seal Assembly, Water Pumps.....	1
34	1 750 087 M1	Gasket, Oil Pump Body Cover.....	1
35	1 750 032 M1	Gasket, Gear Cover.....	1
36	1 021 673 M1	Packing, Rear Bearing Cap (6').....	1
37	1 750 077 M1	Gasket, Water Pump.....	1
38	1 750 079 M2	Gasket, Water Pump Support.....	1
39	1 008 597 M1	Seal, Oil, Crankshaft.....	2
40	1 750 000 M1	Packing, Cylinder, Sleeve.....	8
41	1 750 112 M1	Gasket, Crankshaft Oil Seal Retainer.....	1
42	1 750 062 M1	Gasket, Intake Valve Stem.....	4
43	1 750 117 M1	Gasket, Oil Filter Cover Screw.....	1
44	1 751 636 M1	Gasket, Oil Seal Retainer (Copper).....	2
45	1 750 006 M1	Gasket, Cylinder Head Cover Vent Cap.....	1
46	1 751 847 M1	Gasket, Hydraulic Pump Mounting Hole Cover.....	1
47	181 531 M2	Gasket, Carburetor to Manifold.....	1
48	181 526 M1	Gasket, Water Elbow.....	1
49	1 750 216 M92	Seal Assembly, Oil, Crankshaft (Rear).....	1
50	1 750 103 M1	Seal, Dust, Governor Rocker Shaft.....	1
51	1 750 108 M1	Seal, Oil, Governor Rocker Shaft.....	1
52	1 750 097 M1	Gasket, Oil Filter Base (Order 841 241 M91).....	1

- Notes: (A) - Used Late Production.  
 (B) - Used Early Production.  
 (C) - For repairs order 836 289 M91 Gasket Kit  
 and (1) 1022 451 M1 Gasket.  
 (D) - For repairs order 836 287 M91 Gasket Kit.  
 (E) - For repairs order 1 each of 836 287 M91,  
 836 288 M91, 836 289 M91, 181 526 M1, 181 528 M1,  
 181 531 M2, 1022 451 M1.

## OIL PUMP, OIL PAN, OIL GAUGE AND LINES

F 260-51





## OIL PUMP, OIL PAN, OIL FILTER, OIL GAUGE AND LINES

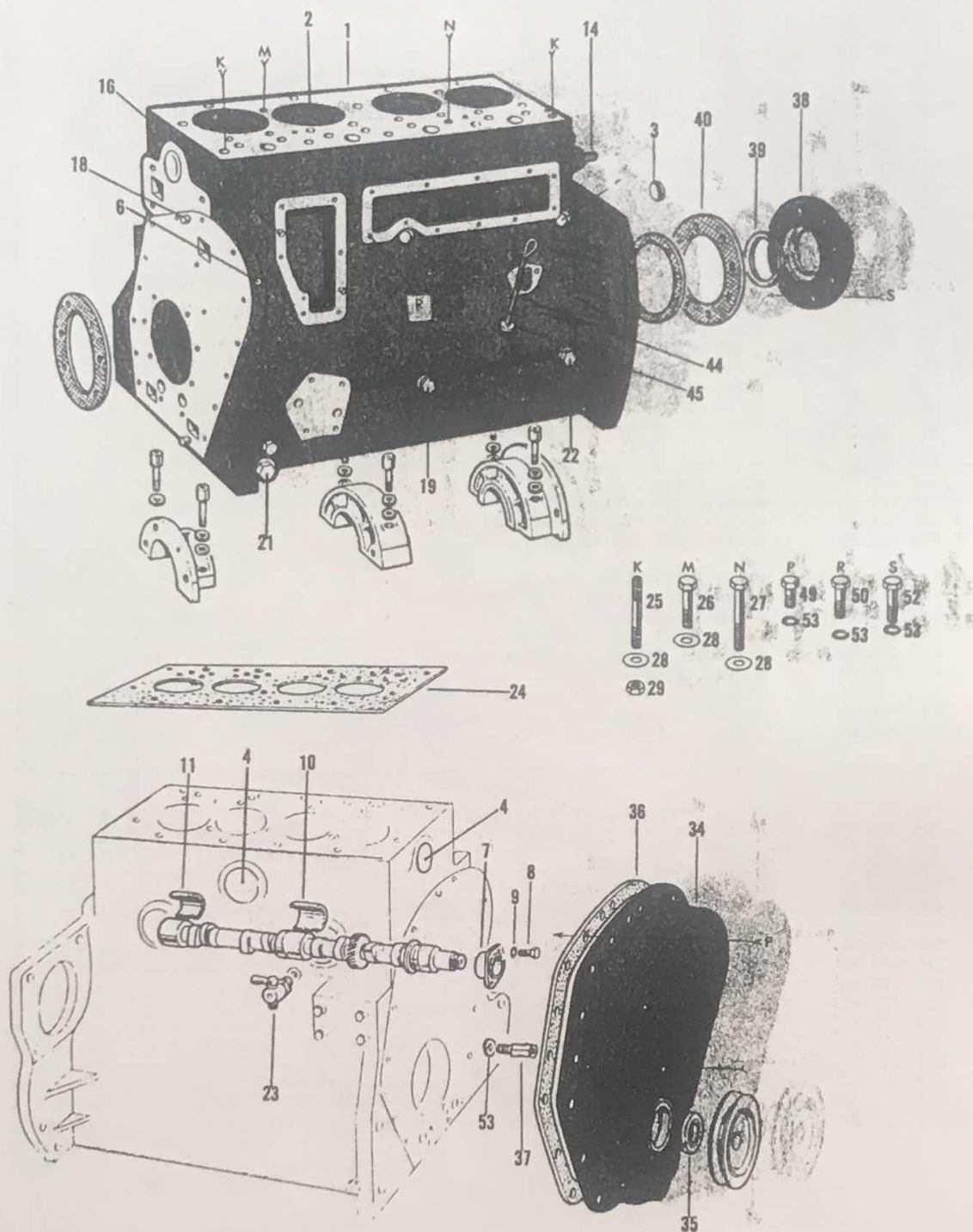
15

(GAS)

Ref. No.	Part No.	Description	No. Req.
1	1 750 239 M91	Oil Pump Assembly.....	1
2	1 750 214 M91	Body Assembly, Oil Pump.....	1
3	19 454 X	Plug (1/2" Exp.).....	3
4 (A)	760 195 M1	Bushing.....	2
5 (A)	1 750 110 M1	Stud, Idler Gear.....	1
6 (A)	1 028 737 M91	Gear and Shaft Assembly, Oil Pump, Lead.....	1
7 (A)	1 500 015 M1	Gear, Oil Pump Follow.....	1
8	1 750 085 M1	Cover, Oil Pump.....	1
9 (A)	1 750 087 M1	Gasket, Oil Pump Cover.....	1
10	14 276 X	Screw (1/4 x 5/8" NC, Sltd., Ctsk. Hd.).....	6
11 (A)	1 750 052 M1	Gear, Oil Pump Driven.....	1
12 (A)	1 750 126 M1	Set Screw, Gear Locking (1/4 x 5/16" NC, Self-Locking).....	1
13 (A)	15 322 A	Valve, Oil Pressure Relief.....	1
14 (A)	21 195 A	Spring, Oil Pressure Regulating.....	1
15	1 009 061 M1	Washer, Pressure Adjusting.....	x
16 (A)	760 159 M1	Retainer, Regulating Spring.....	1
17 (A)	354 061 X1	Cotter Pin (1/8 x 1-1/4").....	1
18	1 005 960 M1	Dowel Pin, Oil Pump to Bearing Cap.....	2
19	1 750 088 M1	Shim, Oil Pump to Bearing Cap.....	x
	835 643 M91	Repair Kit, Oil Pump (Incl. all Items marked "A").....	1
20	1 750 147 M1	Elbow, Oil Pump Inlet.....	1
21	1 750 096 M91	Tube Assembly, Oil Screen.....	1
22	1 750 139 M1	Nut (1/2" Tube, Takes Sleeve).....	1
23	1 750 140 M1	Sleeve (1/2" Tube Nut).....	1
24	1 750 094 M91	Screen Assembly, Oil.....	1
25	354 061 X1	Cotter Pin (1/8 x 1-1/4").....	1
26	1 750 130 M91	Bolt and Washer (1/4 x 1/2" NC, Hex.).....	1
31	1 750 028 M1	Pan, Oil.....	1
32	884 691 M1	Plug, Drain.....	1
34	1 750 118 M1	Gasket, Drain Plug.....	1
35	1 750 024 M1	Gasket, Oil Pan (See 830 688 M91).....	1
36	1 022 451 M1	Gasket, Oil Pan Flange.....	2
37 (B)	1 750 583 M1	Screw, Oil Filter Cover.....	1
38	1 750 584 M1	Gasket, Oil Filter Cover Screw.....	1
39 (B)	1 750 586 M91	Cover Assembly, Oil Filter.....	1
40	1 750 585 M1	Spring, Oil Filter Cover.....	1
41	1 005 438 M1	Retainer, Oil Filter Cover Spring.....	1
42	761 518 M1	Gasket, Element Seal.....	1
43		Element, Oil Filter (See Item 46)(Order 1014 219 M91).....	1
44	761 518 M1	Gasket, Element Seal.....	1
45	1 028 283 M1	Gasket, Filter Cover.....	1
46	1 014 219 M92	Kit, Filter Element (Incl. 3 each of Items 43, 44, and 45).....	x
48	180 100 M93	Gauge Assembly, Oil Pressure.....	1
49	181 570 M91	Line Assembly, Oil Pressure.....	1
50	195 442 M1	Nut, Line.....	2
51	22 238 X	Elbow, Line (At Block).....	1
52	356 865 X1	Elbow, Line (At Gauge).....	1
53	180 739 M1	Clip, Oil Line Retaining.....	1
56	353 678 X1	Bolt (5/16 x 7/8" NC, Hex.).....	x
57	353 679 X1	Bolt (5/16 x 1" NC, Hex.).....	x
58	354 615 X1	Bolt (5/16 x 2-1/2" NC, Hex.).....	x
59	354 616 X1	Bolt (5/16 x 2-5/8" NC, Hex.).....	x
60	354 625 X1	Bolt (5/16 x 3-3/4" NC, Hex.).....	x
61	355 512 X1	Bolt (5/16 x 5" NC, Hex.).....	x
62	353 446 X1	Washer (5/16" Lock).....	x
63	353 701 X1	Bolt (7/16 x 1-3/8" NC, Hex.).....	x
64	1 750 131 M1	Bolt (1/2 x 6-1/2" NC, Hex., Dld. f/Locking Wire).....	x
65	1 754 683 M1	Washer (1/2" Special).....	x

## CYLINDER BLOCK, TIMING GEAR COVER

F388-1



## CYLINDER BLOCK, TIMING GEAR COVER

17

(STANDARD MOTORS DIESEL)

Ref. No.	Part No.	Description	No. Req.
1	827 483 M91	Block Assembly, Cylinder (Order 1884 088 M1).....	1
2	827 556 M1	Liner, Cylinder (Grade F)(See Page 21)(Order 1884 940 M1).....	x
2	827 557 M1	Liner, Cylinder (Grade G)(See Page 21)(Order 1884 940 M1).....	x
2	827 558 M1	Liner, Cylinder (Grade H)(See Page 21)(Order 1884 940 M1).....	x
3	825 109 M1	Plug, Camshaft Hole (2" Expansion).....	1
4	825 102 M1	Plug, Cylinder Block (1-3/4" Expansion).....	5
6	825 991 M1	Plug, Crankshaft Oil Holes.....	2
7	825 993 M1	Bearing, Camshaft, Front.....	1
8	353 677 X1	Bolt, Bearing (5/16 x 3/4" NC, Hex.).....	2
9	375 200 X1	Washer (5/16" Lock).....	2
10	825 994 M1	Bearing, Camshaft, Center.....	1
11	825 995 M1	Bearing, Camshaft, Rear.....	1
12	825 857 M1	Bolt, Locating, Camshaft Bearings.....	2
12	353 755 X1	Washer (5/16" Small Flat).....	2
14	825 853 M1	Stud, Transmission Case to Block.....	1
14	825 852 M1	Stud, Battery Platform to Block.....	2
16	1 884 089 M1	Stud, Injection Pump Mounting.....	2
16	1 754 668 M1	Dowel, Injection Pump Drive Housing.....	2
18	1 260 A	Dowel, Rear Face of Block.....	2
18	1 754 668 M1	Dowel, Timing Gear Cover.....	2
19	826 000 M1	Bolt, Oil Gallery Plug.....	2
19	825 484 M1	Washer, Oil Gallery Bolt (Copper).....	2
21	826 006 M1	Plug, Oil Suction.....	2
21	826 001 M1	Washer, Oil Suction Plug (Copper).....	2
22	826 003 M1	Bolt, Union, Oil Pressure Line.....	1
22	825 484 M1	Washer, Oil Pressure Line Bolt.....	2
23	828 085 M1	Tap, Drain, Cylinder Block.....	1
23	825 299 M1	Washer, Drain Tap.....	1
24	827 612 M1	Gasket, Cylinder Block to Head (Order 1882 771 M1).....	1
25	826 175 M1	Stud, Cylinder Block (Head Locating).....	2
26	827 613 M1	Bolt, Cylinder Block (Short).....	8
27	827 614 M1	Bolt, Cylinder Block (Long).....	9
28	827 722 M1	Washer, Cylinder Block Bolt.....	19
29	353 437 X1	Nut, Cylinder Block Stud.....	2
34	826 110 M1	Cover, Timing Gears.....	1
35	825 740 M1	Seal, Oil, Crankshaft, Front.....	1
36	826 111 M1	Gasket, Timing Gear Cover (Order 1884 116 M1).....	1
37	826 112 M1	Spacer, Timing Gear Cover.....	1
38	826 045 M1	Cover, Rear Oil Seal.....	1
39	826 046 M2	Seal, Oil, Rear Bearing (Order 1884 098 M1).....	1
	828 776 M1	Ring, Backing, Oil Seal.....	1
40	826 047 M1	Gasket, Oil Seal Cover.....	1
	827 837 M1	Cover, Tappet.....	1
	826 115 M2	Gasket, Tappet Cover.....	1
	827 838 M1	Spacer, Tappet Cover Bolts.....	2
44 (A)	828 906 M91	Dipstick Assembly (Oil Level Gauge).....	1
44 (B)	826 148 M91	Dipstick (Oil Level Gauge).....	1
45	825 105 M1	Washer, Dipstick (Felt).....	1
49	353 676 X1	Bolt (5/16 x 5/8" NC, Hex.).....	x
50	353 677 X1	Bolt (5/16 x 3/4" NC, Hex.).....	x
50	353 680 X1	Bolt (5/16 x 1-1/8" NC, Hex.).....	x
52	353 682 X1	Bolt (5/16 x 1-3/8" NC, Hex.).....	x
53	375 200 X1	Washer (5/16" Lock).....	x

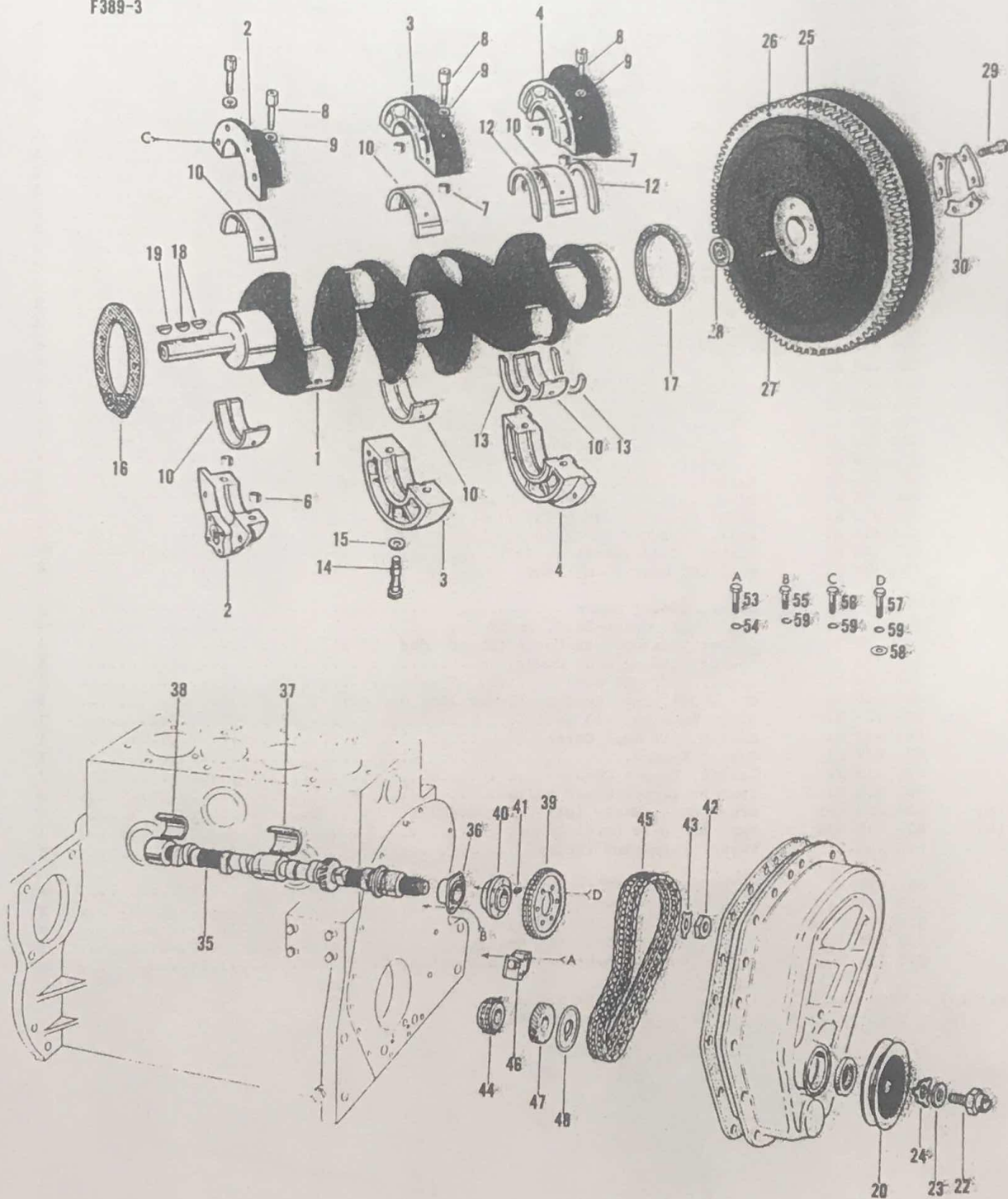
Notes: (A) - Used Engine Serial Number SJ93989E and up.

(B) - Used prior to Engine Serial Number SJ93989E.



# FLYWHEEL, CAMSHAFT, CRANKSHAFT AND TIMING GEARS

F389-3





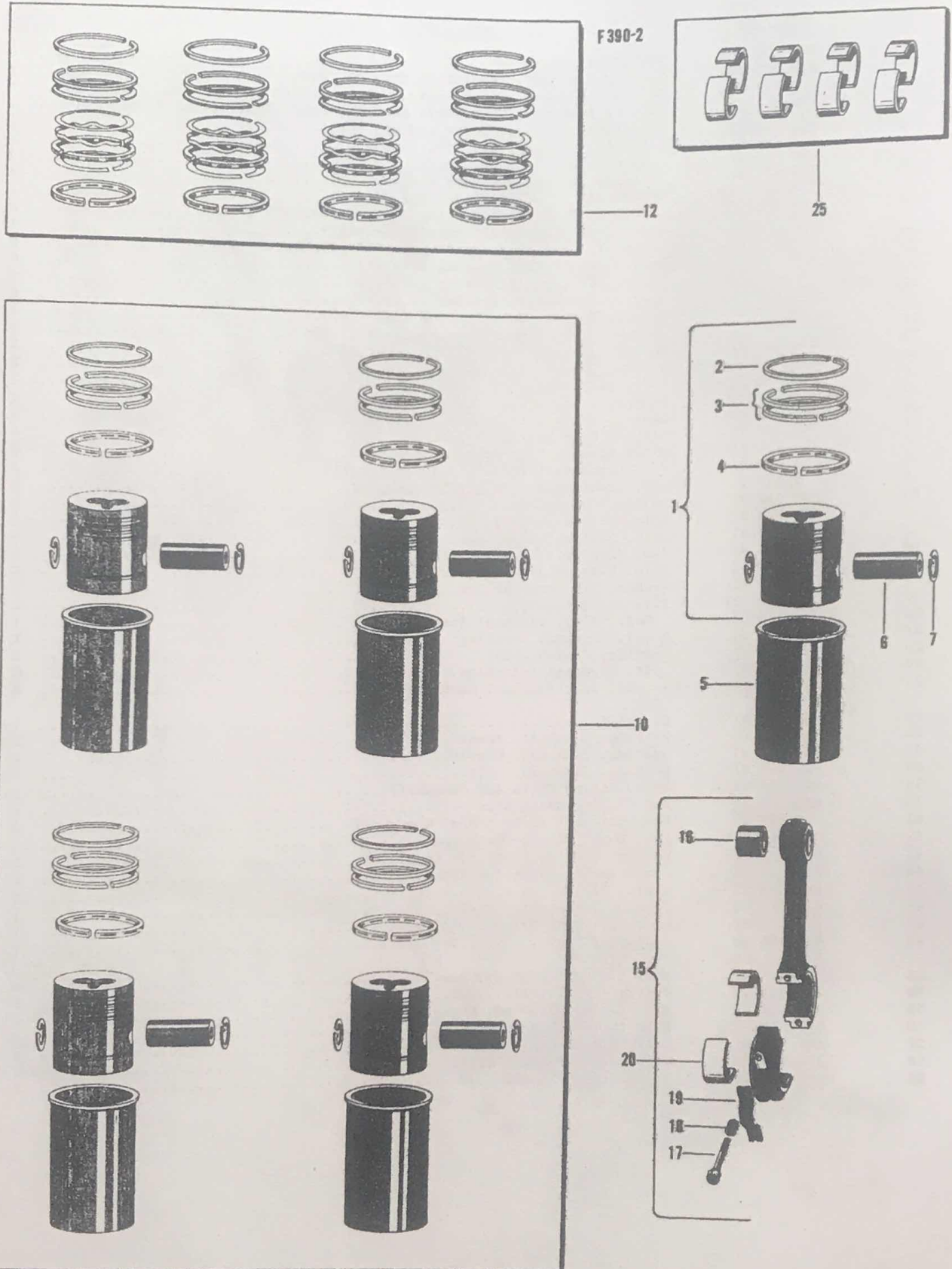
# FLYWHEEL, CAMSHAFT, CRANKSHAFT AND TIMING GEARS

19

(STANDARD MOTORS DIESEL)

Ref. No.	Part No.	Description	No. Req.
1	827 506 M92	Crankshaft Assembly.....	1
2	826 007 M92	Housing Assembly, Crankshaft Bearing, Front (Incl. items 6, 8 & 9)....	1
3	827 503 M91	Housing Assembly, Crankshaft Bearing, Center (Incl. items 7 thru 9)....	1
4	826 018 M91	Housing Assembly, Crankshaft Bearing, Rear (Incl. items 7 thru 9).....	1
6	826 009 M1	Bushing, Housing, Lower and Oil Pump.....	3
7	826 008 M1	Bushing, Housing.....	2
8	826 010 M1	Screw, Bearing Housings.....	2
9	353 434 X1	Washer, Bearing Housing Screws.....	2
	830 897 M91	Insert Set, Crankshaft Bearing (Std.).....	1
10	826 023 M1	Insert, Crankshaft Bearing (Std.) (Order 830 897 M91).....	6
	894 930 M91	Insert Set, Crankshaft Bearing (-.010").....	1
10	826 024 M1	Insert, Crankshaft Bearing (-.010") (Order 894 930 M91).....	6
10	826 025 M1	Insert, Crankshaft Bearing (-.020").....	6
10	826 026 M1	Insert, Crankshaft Bearing (-.030").....	6
10	894 946 M91	Insert, Crankshaft Bearing (-.040").....	6
12	826 033 M1	Washer, Thrust, Rear Bearing Upper (Std.).....	2
12	826 035 M1	Washer, Thrust, Rear Bearing Upper (+.005").....	2
13	826 034 M1	Washer, Thrust, Rear Bearing Lower (Std.).....	2
13	826 036 M1	Washer, Thrust, Rear Bearing Lower (+.005").....	2
14	826 016 M1	Bolt, Center Bearing Housing, Lower.....	1
15	826 017 M1	Washer, Lower Center Bearing Housing Bolt.....	1
16	826 012 M1	Gasket, Front Bearing Housing.....	1
17	826 022 M1	Gasket, Rear Bearing Housing.....	1
	826 021 M1	Plug, Rubber, Rear Bearing Housing.....	2
18	2 951 X	Key, Crankshaft (3/16 x 3/4" Woodruff).....	2
19	2 957 X	Key, Crankshaft (1/8 x 1/2" Woodruff).....	1
20	826 044 M1	Pulley, Crankshaft.....	1
	825 178 M1	Shim, Pulley (.006").....	x
	825 177 M1	Shim, Pulley (.064").....	x
22	826 042 M1	Jaw, Starter.....	1
23	825 103 M1	Shim, Starter Jaw.....	x
24	825 185 M1	Washer, Tab, Starter Jaw Lock.....	1
25	184 879 M91	Flywheel Assembly.....	1
26	826 049 M1	Gear, Ring, Flywheel Starter.....	1
27	826 051 M1	Dowel, Flywheel Locating.....	1
28	832 960 M3	Bearing, Clutch Pilot.....	1
29	826 052 M1	Bolt, Flywheel Attaching.....	6
30	826 053 M1	Washer, Tab, Flywheel Bolt Lock.....	3
35	826 088 M1	Camshaft.....	1
36	825 993 M1	Bearing, Camshaft, Front.....	1
37	825 994 M1	Bearing, Camshaft, Center.....	1
38	825 995 M1	Bearing, Camshaft, Rear.....	1
39	826 089 M1	Gear, Timing Chain (on Camshaft).....	1
40	826 090 M1	Hub, Timing Chain Gear.....	1
41	2 951 X	Key, Camshaft (3/16 x 3/4" Woodruff).....	1
42	826 093 M1	Nut, Lock, Timing Chain Gear.....	1
43	826 092 M1	Washer, Tab, Camshaft Nut Lock.....	1
44	826 041 M1	Gear, Timing Chain (on Camshaft).....	1
45	826 094 M1	Chain, Timing.....	1
46	826 113 M1	Tensioner Assembly, Chain.....	1
47	826 039 M1	Gear, Oil Pump Drive.....	1
48	826 040 M1	Deflector, Oil.....	1
53	353 508 X1	Bolt (1/4 x 1-3/8" NF, Hex.).....	x
54	353 441 X1	Washer (1/4" Lock).....	x
55	353 677 X1	Bolt (5/16 x 3/4" NC, Hex.).....	x
56	353 678 X1	Bolt (5/16 x 7/8" NC, Hex.).....	x
57	353 517 X1	Bolt, Timing Chain Gear to Hub.....	x
58	353 755 X1	Washer (5/16" Small Flat).....	x
59	375 200 X1	Washer (5/16" Lock).....	x

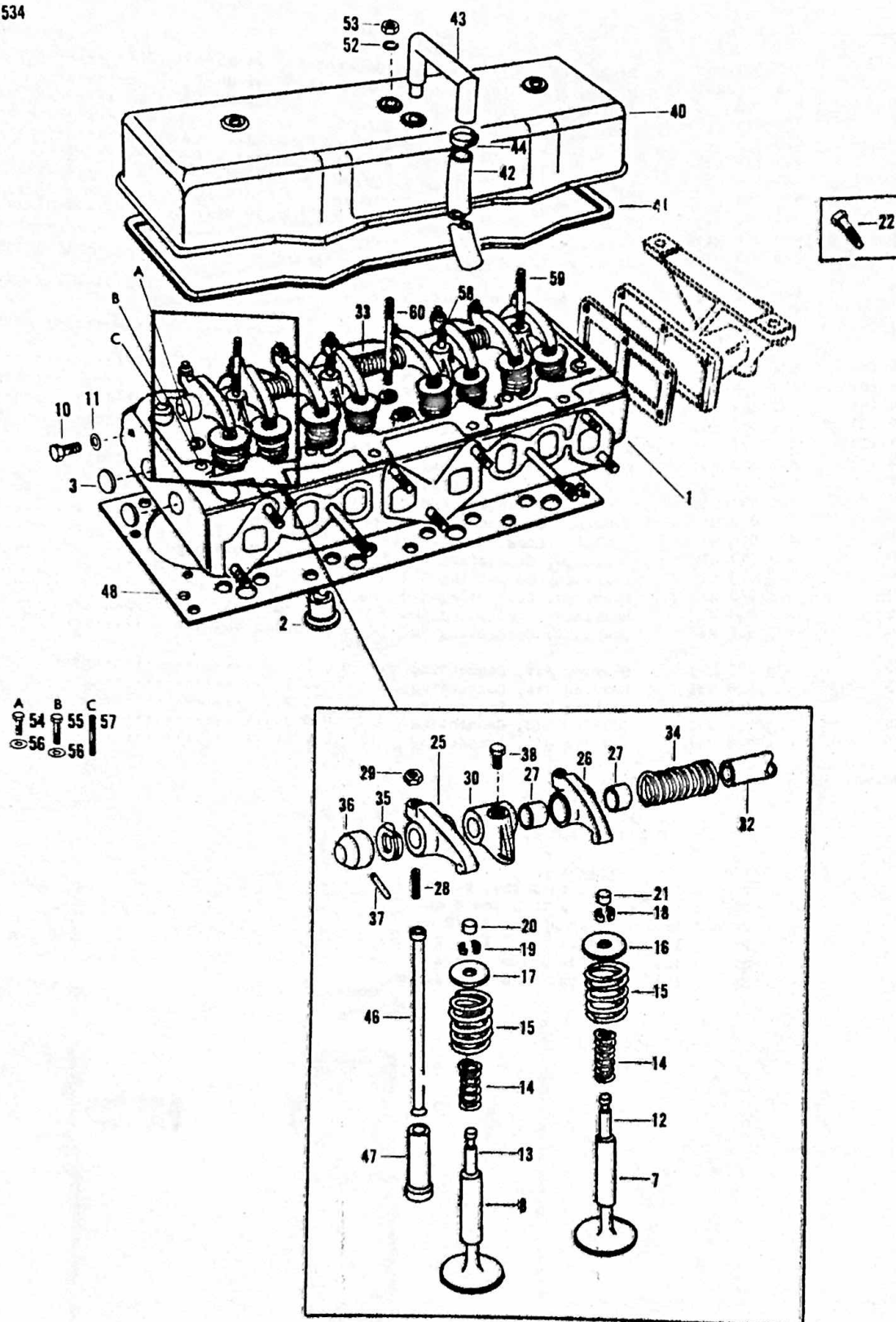
## PISTONS, RINGS, CONNECTING RODS





## CYLINDER HEAD VALVES

**F 1534**





## CYLINDER HEAD VALVES

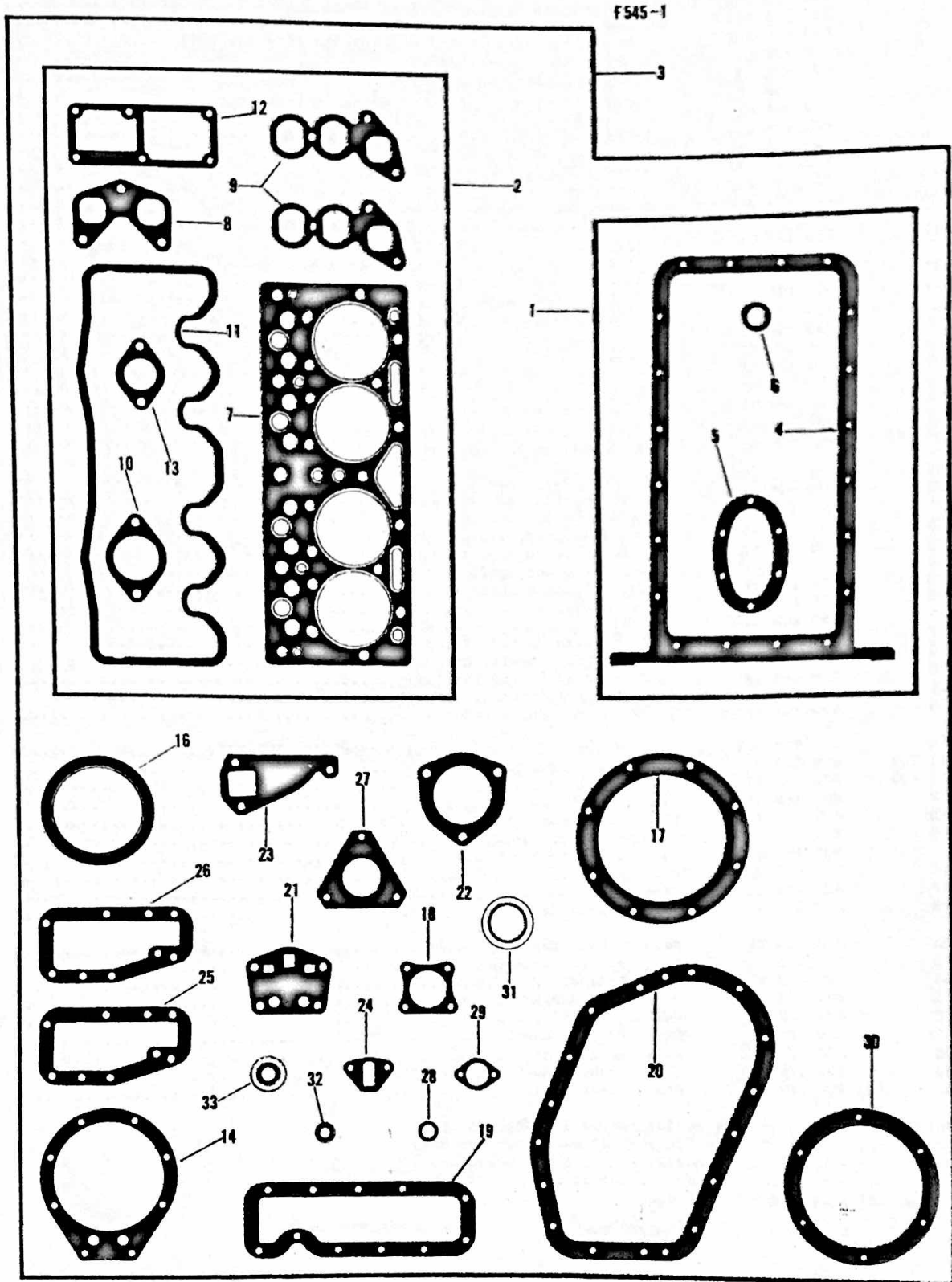
23

(STANDARD MOTORS DIESEL)

Ref. No.	Part No.	Description	No. Req.
1 (A)	829 139 M91	Head Assembly, Cylinder (Incl. items 2 thru 11)(Order 1884 120 M91)...	1
1 (B)	826 156 M91	Head Assembly, Cylinder (Incl. items 3 thru 11)(Order 1884 120 M91)...	1
2	829 163 M91	Chamber Assembly, Combustion (Order 1884 121 M91).....	4
3	825 188 M1	Plug, Welch (Expansion).....	2
	827 836 M1	Plug, Cylinder Head.....	1
	826 159 M1	Plug, Brass.....	4
	826 164 M1	Tube, Water Deliver.....	2
7	825 259 M1	Guide, Valve, Inlet.....	4
8	826 162 M1	Guide, Valve, Exhaust.....	4
	826 163 M1	Insert, Exhaust Valve Seat.....	4
10	826 160 M1	Set Screw, Oil Feed Plug.....	1
11	826 161 M1	Washer, Oil Plug Set Screw.....	1
		Valve Kit, Intake (Order 1884 123 M1).....	1
12	826 168 M1	Valve, Intake (Order 1884 123 M1).....	4
		Valve Kit, Exhaust (Order 1884 124 M1).....	1
13	826 169 M1	Valve, Exhaust (Order 1884 124 M1).....	4
14	826 170 M1	Spring, Valve, Inner (Order 1884 126 M1).....	8
15	826 171 M1	Spring, Valve, Outer (Order 1884 125 M1).....	8
16	825 257 M1	Collar, Intake Valve Spring Retainer.....	4
17	826 172 M1	Collar, Exhaust Valve Spring Retainer.....	4
18	825 258 M1	Cone, Intake Valve Spring Collar Retaining.....	8
19	826 173 M1	Cone, Exhaust Valve Spring Collar Retaining.....	8
20	826 174 M1	Cap, Exhaust Valve, End.....	4
21	827 267 M1	Cap, Intake Valve, End.....	4
22 (E)	1 860 818 M1	Plug, Head.....	4
25	826 186 M91	Rocker Assembly, No. 1 (Include item 27).....	4
26	826 189 M91	Rocker Assembly, No. 2 (Include item 27).....	4
27	826 188 M1	Bushing, Rocker.....	2
28	826 120 M1	Screw, Adjusting, Valve Tappet.....	8
29	353 917 X1	Nut, Lock, Valve Tappet Adjusting Screw.....	8
30	826 184 M1	Pedestal, Rocker Shaft (Drilled).....	1
30	826 185 M1	Pedestal, Rocker Shaft (Plain).....	3
32	826 183 M1	Shaft, Rocker.....	1
33	890 462 M1	Spring, Rocker Shaft, Center.....	1
34	890 461 M1	Spring, Rocker Shaft, Intermediate.....	2
35	825 110 M1	Spring, Rocker Shaft, Outer.....	2
36	825 314 M1	Collar, Outer Spring Retaining.....	2
37	354 900 X1	Pin, Collar Retaining.....	2
38	825 107 M1	Screw, Rocker Shaft Pedestal.....	x
40	827 488 M91	Cover Assembly, Cylinder Head (Order 1884 129 M1).....	1
41 (C)	826 194 M1	Gasket, Cylinder Head Cover.....	1
41 (D)	828 695 M1	Gasket, Cylinder Head Cover.....	1
42	827 486 M1	Pipe, Breather.....	1
43	827 485 M1	Elbow, Breather Pipe.....	1
44	827 618 M1	Clip, Elbow to Pipe.....	1
	827 487 M1	Clip, Elbow to Sump Bolt.....	1
46	826 087 M1	Rod, Push.....	8
47	827 738 M1	Tappet.....	8
48	827 612 M1	Gasket, Cylinder Head to Block.....	1
52	375 200 X1	Washer, Cylinder Head Cover.....	3
53	353 916 X1	Nut, Cylinder Head Cover.....	3
54	827 613 M1	Bolt, Cylinder Head (Short).....	8
55	827 614 M1	Bolt, Cylinder Head (Long).....	9
56	827 722 M1	Washer, Cylinder Head Bolts.....	17
57	826 175 M1	Stud, Heading Locating.....	2
58	826 167 M1	Stud, Rocker (Short).....	2
59	826 178 M1	Stud, Rocker and Cover (Long).....	2
60	826 179 M1	Stud, Cover.....	1

Notes: (A) - Used Tractor Serial Number 188 851 and up.  
 (B) - Used prior to Tractor Serial Number 188 851.  
 (C) - Used Engine Serial Number SJ41890 and up.  
 (D) - Used prior to Engine Serial Number SJ41890.  
 (E) - Used w/o Glow Plugs.

## ENGINE GASKET KITS



# ENGINE GASKET KITS

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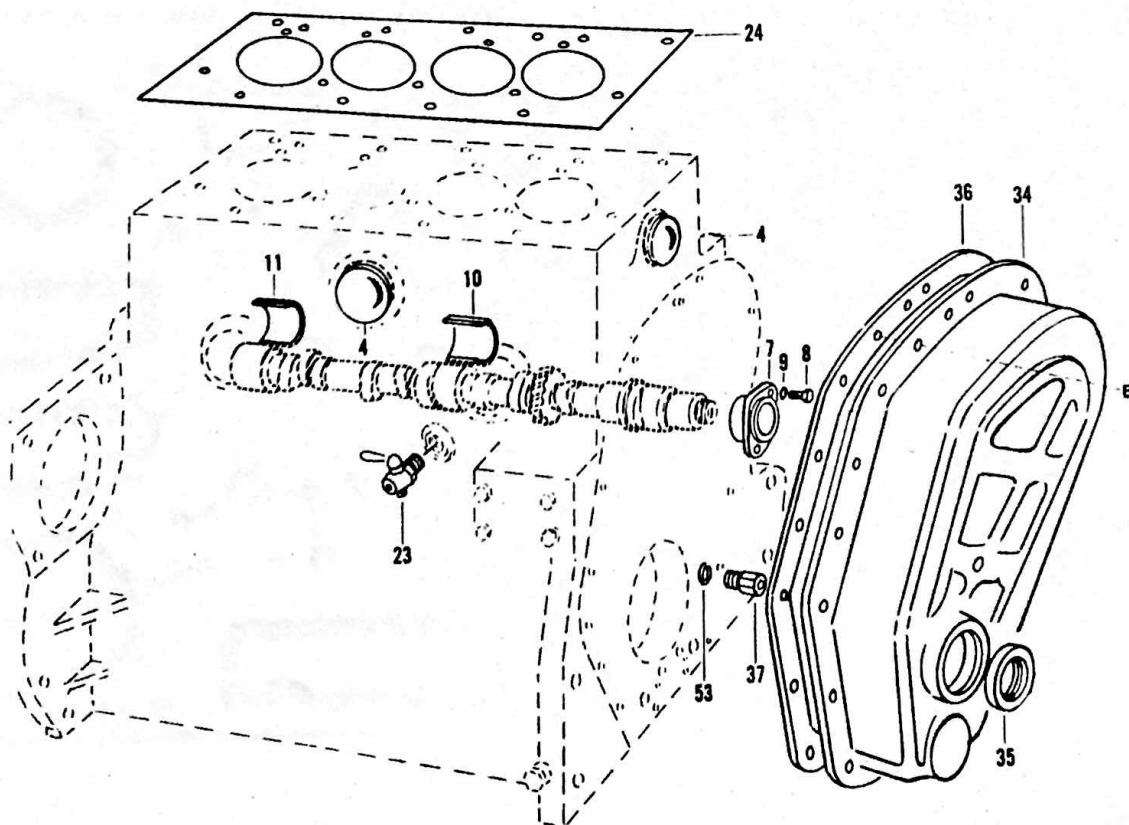
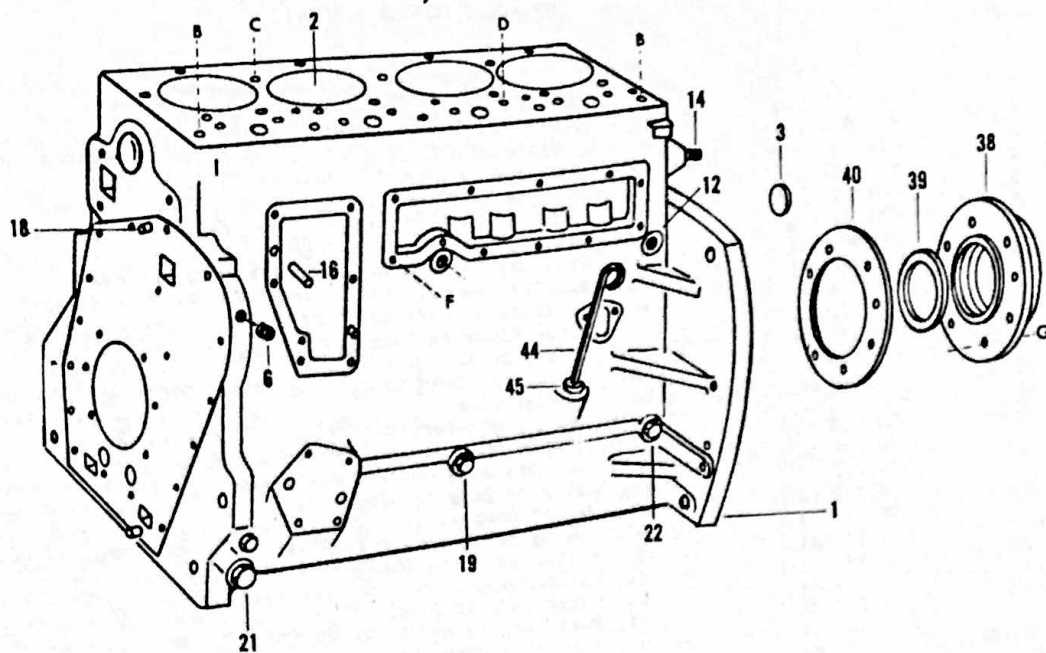
(STANDARD MOTORS DIESEL)

Ref. No.	Part No.	Description	No. Req.
1	830 893 M91	Gasket Kit, Oil Pan (Incl. Items 4 thru 6).....	1
2	830 894 M91	Gasket Kit, Valve Grinding (Incl. Items 7 thru 13)(Order 1810 028 M91)	1
3	830 892 M92	Gasket Kit, Engine Over-Haul (Incl. Items 4 thru 33).....	1
4	827 601 M1	Gasket, Oil Pan to Block (Order 830 893 M91).....	1
5	825 653 M1	Gasket, Oil Filter to Pan (Order 1881 933 M1).....	1
6	825 295 M1	Gasket, Oil Pan Drain Plug.....	1
7	827 612 M1	Gasket, Cylinder Head to Block (Order 1882 771 M1).....	1
8	826 203 M1	Gasket, Manifold to Cylinder Head (Center).....	1
9	826 204 M1	Gasket, Manifold to Cylinder Head (Outer).....	2
10	825 659 M1	Gasket, Water Elbow to Body.....	1
11	826 194 M1	Gasket, Rocker Cover.....	1
12	826 196 M1	Gasket, Thermostat Body to Cylinder Head (Order 1883 003 M1).....	1
13	825 003 M1	Gasket, Exhaust Pipe.....	1
14	826 012 M1	Gasket, Bearing Housing (Front).....	1
16	826 046 M2	Seal, Oil, Rear Bearing (Order 1884 048 M1).....	1
17	826 047 M1	Gasket, Rear Oil Seal Cover.....	1
18	826 063 M1	Gasket, Oil Pump Body to Block.....	1
19	826 115 M2	Gasket, Tappet Cover.....	1
20	826 111 M1	Gasket, Timing Cover (Order 1884 116 M1).....	1
21	826 139 M1	Gasket, Filter to Block (Order 829 184 M1).....	1
22	825 141 M1	Gasket, Water Pump.....	1
23	825 144 M1	Gasket, Water Pump to Block.....	1
24	826 155 M1	Gasket, Fuel Pump to Block (Order 892 606 M1).....	1
25	826 108 M1	Gasket, Injection Pump Drive to Block (Order 1884 131 M1).....	1
26 (A)	827 797 M1	Gasket, Injection Pump to Drive Housing.....	1
27	826 221 M1	Gasket, Injection Pump to Housing (Order 1884 130 M1).....	1
28	827 248 M1	Gasket, Outlet Elbow Plug.....	1
29	827 266 M1	Gasket, Tractormeter Drive.....	1
30	826 022 M1	Gasket, Bearing Housing (Rear).....	1
31	825 740 M1	Seal, Oil, Crankshaft.....	1
32	825 309 M1	Seal, Water Pump Bearing.....	1
33	825 374 M1	Seal, Water Pump Impeller.....	1

Note; (A) - For repairs order 1 each of 828 909 M1 and 828 908 M1.

## CYLINDER BLOCK, TIMING GEAR COVER

F 1535





## CYLINDER BLOCK, TIMING GEAR COVER

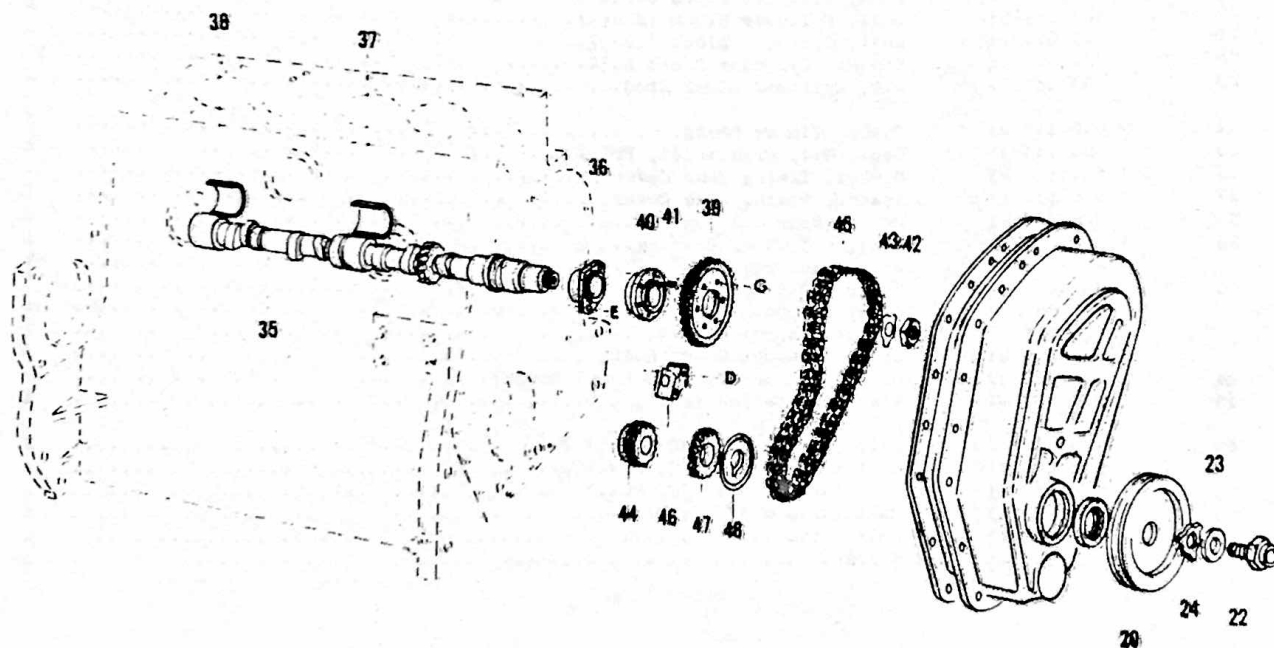
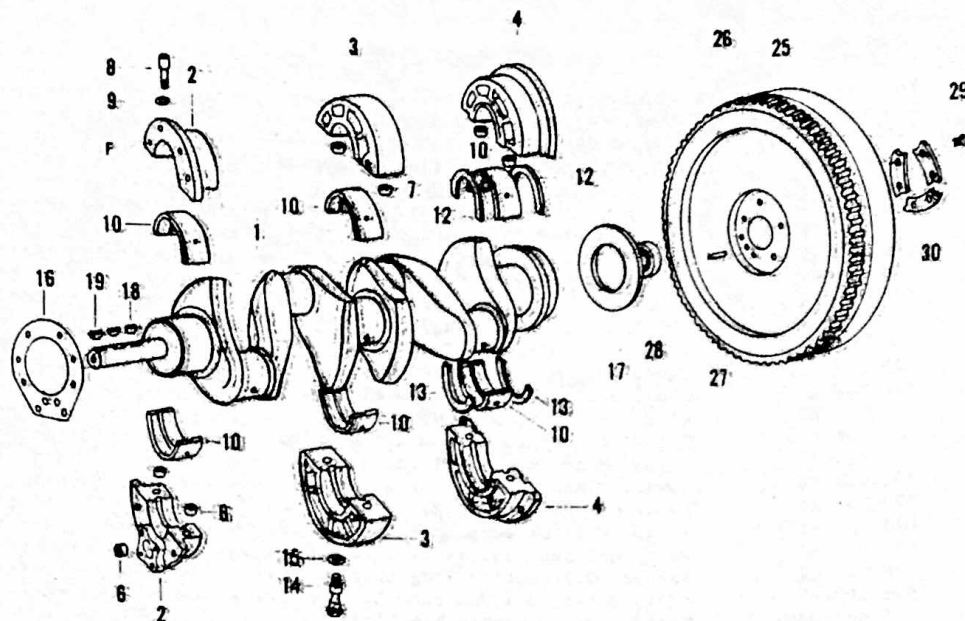
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(STANDARD MOTORS DIESEL)

Ref. No.	Part No.	Description	No. Req.
1	1 884 088 M91	Block Assembly, Cylinder.....	1
2	1 884 940 M1	Liner, Cylinder (See Page 31).....	x
3	825 109 M1	Plug, Camshaft Hole (2" Expansion).....	1
4	825 102 M1	Plug, Cylinder Block (1-3/4" Expansion).....	5
6	825 991 M1	Plug, Crankshaft Oil Holes.....	2
7	825 993 M1	Bearing, Camshaft, Front.....	1
8	353 677 X1	Bolt, Bearing (5/16 x 3/4" NC, Hex.).....	2
9	375 200 X1	Washer (5/16" Lock).....	2
10	825 994 M1	Bearing, Camshaft, Center.....	1
11	825 995 M1	Bearing, Camshaft, Rear.....	1
12	825 857 M1	Bolt, Locating, Camshaft Bearings.....	2
12	353 755 X1	Washer (5/16" Small Flat).....	2
14	825 853 M1	Stud, Transmission Case to Block.....	1
14	825 852 M1	Stud, Battery Platform to Block.....	2
	1 884 089 M1	Stud, Injection Pump Mounting.....	2
16	825 996 M1	Dowel, Injection Pump Drive Housing.....	2
	1 260 A	Dowel, Rear Face of Block.....	2
18	1 754 668 M1	Dowel, Timing Gear Cover.....	2
19	826 000 M1	Bolt, Oil Gallery Plug.....	2
19	825 484 M1	Washer, Oil Gallery Bolt (Copper).....	2
21	826 006 M1	Plug, Oil Suction.....	2
21	826 001 M1	Washer, Oil Suction Plug (Copper).....	2
22	826 003 M1	Bolt, Union, Oil Pressure Line.....	1
22	825 484 M1	Washer, Oil Pressure Line Bolt.....	2
23	828 085 M1	Tap, Drain, Cylinder Block.....	1
23	825 299 M1	Washer, Drain Tap.....	1
24	1 882 771 M1	Gasket, Cylinder Block to Head.....	1
25	826 175 M1	Stud, Cylinder Block (Head Locating).....	2
26	827 613 M1	Bolt, Cylinder Block (Short).....	8
27	827 614 M1	Bolt, Cylinder Block (Long).....	9
28	827 722 M1	Washer, Cylinder Block Bolt.....	19
29	353 437 X1	Nut, Cylinder Block Stud.....	2
34	826 110 M1	Cover, Timing Gears.....	1
35	825 740 M1	Seal, Oil, Crankshaft, Front.....	1
36	1 884 116 M1	Gasket, Timing Gear Cover.....	1
37	826 112 M1	Spacer, Timing Gear Cover.....	1
38	826 045 M1	Cover, Rear Oil Seal.....	1
39	1 884 098 M1	Seal, Oil, Rear Bearing.....	1
	828 776 M1	Ring, Backing, Oil Seal.....	1
40	826 047 M1	Gasket, Oil Seal Cover.....	1
	827 837 M1	Cover, Tappet.....	1
	1 884 117 M1	Gasket, Tappet Cover.....	1
	827 838 M1	Spacer, Tappet Cover Bolts.....	2
44	828 906 M91	Dipstick Assembly (Oil Level Gauge).....	1
45	825 105 M1	Washer, Dipstick (Felt).....	1
49	353 676 X1	Bolt (5/16 x 5/8" NC, Hex.).....	x
50	353 677 X1	Bolt (5/16 x 3/4" NC, Hex.).....	x
50	353 677 X1	Bolt (5/16 x 3/4" NC, Hex.).....	x
50	353 679 X1	Bolt (5/16 x 1" NC, Hex.).....	x
52	1 884 099 M1	Bolt.....	x
53	827 617 M1	Washer.....	x

# FLYWHEEL, CAMSHAFT, CRANKSHAFT AND TIMING GEARS

F 1536



D	E	F	G
53	55	56	57
54	59	58	58
		58	58

# FLYWHEEL, CAMSHAFT, CRANKSHAFT AND TIMING GEARS

29

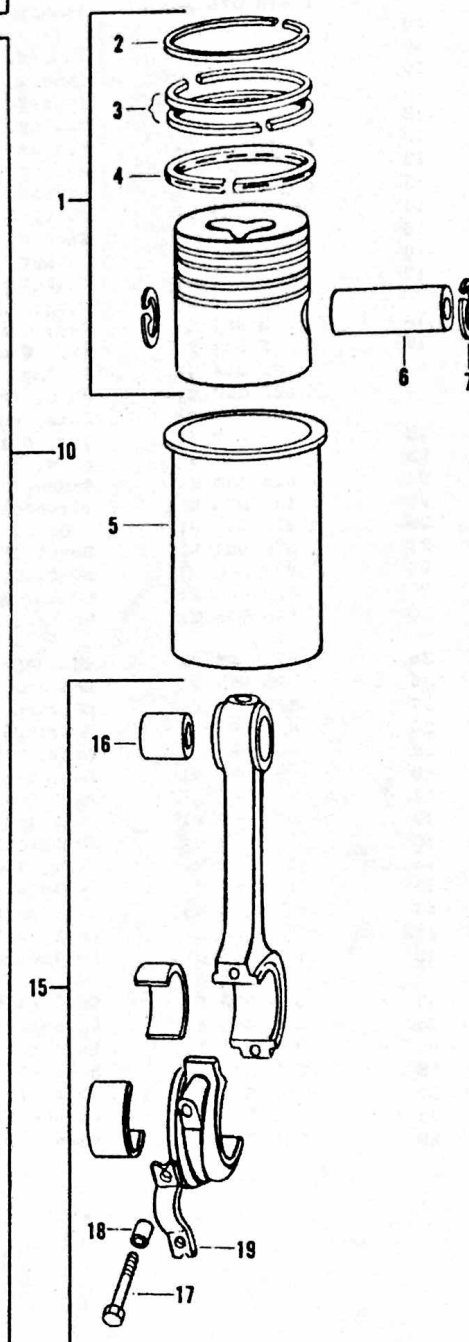
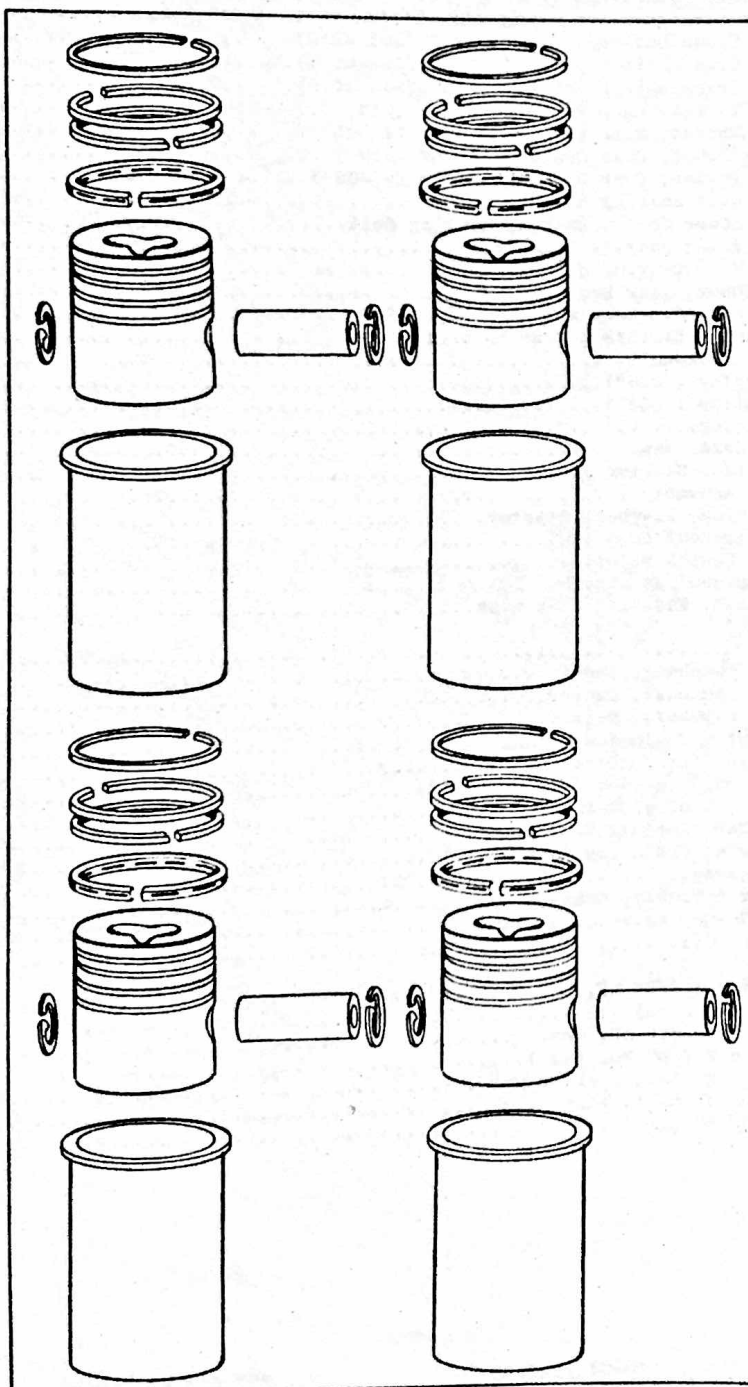
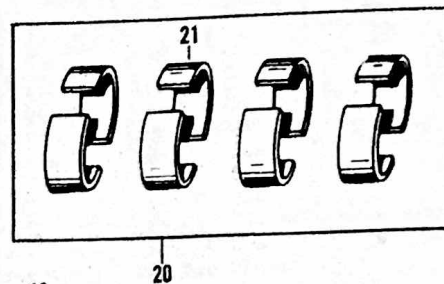
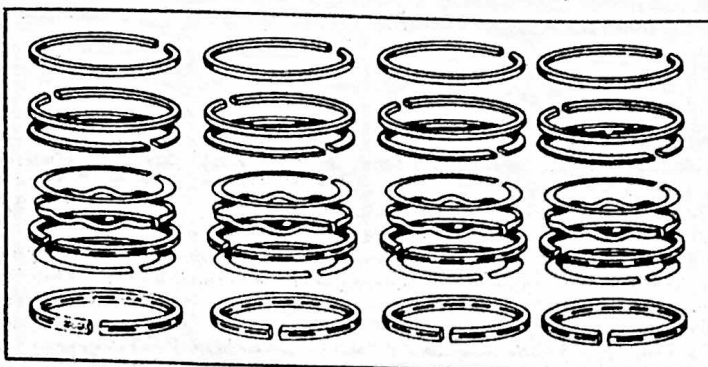
(STANDARD MOTORS DIESEL)

(SERVICE REPLACEMENT)

Ref. No.	Part No.	Description	No. Req.
1	1 884 134 M91	Crankshaft Assembly.....	1
2	1 884 091 M91	Housing Assembly, Crankshaft Bearing, Front (Incl. items 5 thru 9)...	1
3	1 884 092 M91	Housing Assembly, Crankshaft Bearing, Center (Incl. items 7 thru 9)...	1
4	1 884 093 M91	Housing Assembly, Crankshaft Bearing, Rear (Incl. items 7 thru 9)....	1
6	826 009 M1	Bushing, Housing, Lower and Oil Pump.....	3
7	826 008 M1	Bushing, Housing.....	2
8	826 010 M1	Screw, Bearing Housings.....	2
9	353 434 X1	Washer, Bearing Housing Screws.....	2
10	1 810 014 M91	Insert Set, Crankshaft Bearing (Std.).....	1
10	1 810 015 M91	Insert, Crankshaft Bearing (Std.) (Order 1810 014 M91).....	6
10	1 810 016 M91	Insert Set, Crankshaft Bearing (-.010").....	1
10	1 810 017 M91	Insert, Crankshaft Bearing (-.010") (Order 1810 015 M91).....	6
10	1 810 018 M91	Insert, Crankshaft Bearing (-.020") (Set of 6).....	1
12	1 884 135 M1	Insert, Crankshaft Bearing (-.030") (Set of 6).....	1
12	1 884 137 M1	Insert, Crankshaft Bearing (-.040") (Set of 6).....	1
13	1 884 136 M1	Washer, Thrust, Rear Bearing, Upper (Std.).....	2
13	1 884 138 M1	Washer, Thrust, Rear Bearing, Upper (+.005").....	2
14	826 016 M1	Washer, Thrust, Rear Bearing, Lower (Std.).....	2
15	826 017 M1	Washer, Thrust, Rear Bearing, Lower (+.005").....	2
16	826 012 M1	Bolt, Center Bearing Housing, Lower.....	1
17	826 022 M1	Washer, Lower Center Bearing Housing Bolt.....	1
18	826 021 M1	Gasket, Front Bearing Housing.....	1
19	2 951 X	Gasket, Rear Bearing Housing.....	1
20	2 957 X	Plug, Rubber, Rear Bearing Housing.....	2
22	826 044 M1	Key, Crankshaft (3/16 x 3/4" Woodruff).....	2
23	825 178 M1	Key, Crankshaft (1/8 x 1/2" Woodruff).....	1
24	825 177 M1	Pulley, Crankshaft.....	1
25	826 042 M1	Shim, Pulley (.006").....	x
26	825 103 M1	Shim, Pulley (.064").....	x
27	825 185 M1	Jaw, Starter.....	1
28	184 879 M91	Shim, Starter Jaw.....	x
29	826 049 M1	Washer, Tab, Starter Jaw Lock.....	1
30	826 051 M1	Flywheel Assembly.....	1
31	832 960 M3	Gear, Ring, Flywheel Starter.....	1
32	826 052 M1	Dowel, Flywheel Locating.....	1
33	826 053 M1	Bearing, Clutch Pilot.....	1
34	826 088 M1	Bolt, Flywheel Attaching.....	6
35	825 993 M1	Washer, Tab, Flywheel Bolt Lock.....	3
36	825 994 M1	Camshaft.....	1
37	825 995 M1	Bearing, Camshaft, Front.....	1
38	826 089 M1	Bearing, Camshaft, Center.....	1
39	826 090 M1	Bearing, Camshaft, Rear.....	1
40	2 951 X	Gear, Timing Chain (on Camshaft).....	1
41	826 093 M1	Hub, Timing Chain Gear.....	1
42	826 092 M1	Key, Camshaft (3/16 x 3/4" Woodruff).....	1
43	826 041 M1	Nut, Lock, Timing Chain Gear.....	1
44	826 094 M1	Washer, Tab, Camshaft Nut Lock.....	1
45	826 113 M1	Gear, Timing Chain (on Crankshaft).....	1
46	826 039 M1	Chain, Timing.....	1
47	826 040 M1	Tensioner Assembly, Chain.....	1
48	353 508 X1	Gear, Oil Pump Drive.....	1
53	353 441 X1	Deflector, Oil.....	1
54	353 677 X1	Bolt (1/4 x 1-3/8" NF, Hex.).....	x
55	353 678 X1	Washer (1/4" Lock).....	x
56	353 517 X1	Bolt (5/16 x 3/4" NC, Hex.).....	x
57	353 755 X1	Bolt (5/16 x 7/8" NC, Hex.).....	x
58	375 200 X1	Bolt, Timing Chain Gear to Hub.....	x
59		Washer (5/16" Small Flat).....	x
		Washer (5/16" Lock).....	x

## PISTONS, RINGS, CONNECTING RODS

F1537





# PISTONS, RINGS, CONNECTING RODS

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(STANDARD MOTORS DIESEL)

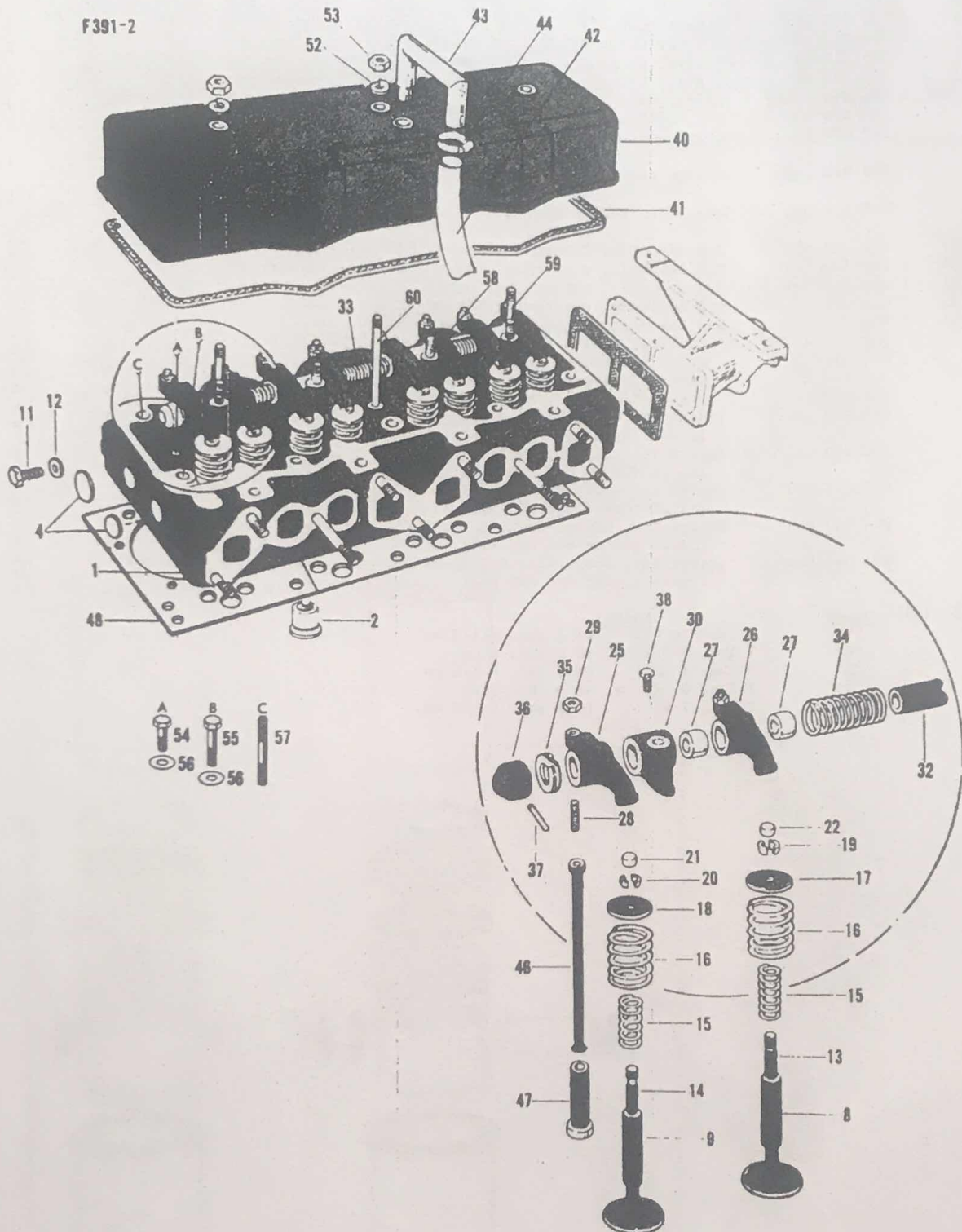
(SERVICE REPLACEMENT)

Ref. No.	Part No.	Description	No. Req.
1	1 884 101 M91	Piston Assembly.....	x
2	829 613 M1	Ring, Compression (1st Groove).....	1
3	829 612 M1	Ring, Compression (2nd and 3rd Groove).....	2
4	829 732 M2	Ring, Scraper (Oil Control)(4th Groove).....	1
5	1 884 940 M1	Liner, Cylinder.....	x
6	826 072 M1	Pin, Piston.....	4
7	826 073 M1	Ring, Piston Pin Retaining.....	8
10	830 972 M92	Piston and Sleeve Kit.....	1
12	836 117 M91	Ring Kit, Piston (Re-Ring).....	1
15 (A)	827 672 M91	Rod Assembly, Connecting (Grade "T").....	x
15 (A)	1 884 105 M91	Rod Assembly, Connecting (Grade "U").....	x
15 (A)	1 884 106 M91	Rod Assembly, Connecting (Grade "X").....	x
15 (A)	1 884 107 M91	Rod Assembly, Connecting (Grade "P").....	x
15 (A)	1 884 109 M91	Rod Assembly, Connecting (Grade "Q").....	x
16	826 076 M1	Bushing, Piston Pin.....	1
17	1 884 110 M1	Bolt, Connecting Rod.....	2
18	826 080 M1	Dowel, Connecting Rod Bolt.....	2
19	826 078 M1	Plate, Locking, Connecting Rod Bolt.....	1
20	830 099 M91	Insert Kit, Connecting Rod (Std.).....	x
21		Insert (Order 830 099 M91).....	8
20	830 900 M91	Insert Kit, Connecting Rod (-.010").....	x
21		Insert (Order 830 900 M91).....	8
20	830 901 M91	Insert Kit, Connecting Rod (-.020").....	x
21		Insert (Order 830 901 M91).....	8
20	894 947 M91	Insert Kit, Connecting Rod (-.030").....	x
21		Insert (Order 894 947 M91).....	8
20	894 948 M91	Insert Kit, Connecting Rod (-.040").....	x
21		Insert (Order 894 948 M91).....	8

Notes: (A) - Grade

	Weight
"T"	3 lbs. 10 oz. to 3 lbs. 2-1/2 oz.
"U"	3 lbs. 2-1/2 oz. to 3 lbs. 4 oz.
"X"	3 lbs. 4 oz. to 3 lbs. 5-1/2 oz.
"P"	3 lbs. 5-1/2 oz. to 3 lbs. 7 oz.
"Q"	3 lbs. 7 oz. , to 3 lbs. 8-1/2 oz.

## CYLINDER HEAD VALVES



## CYLINDER HEAD VALVES

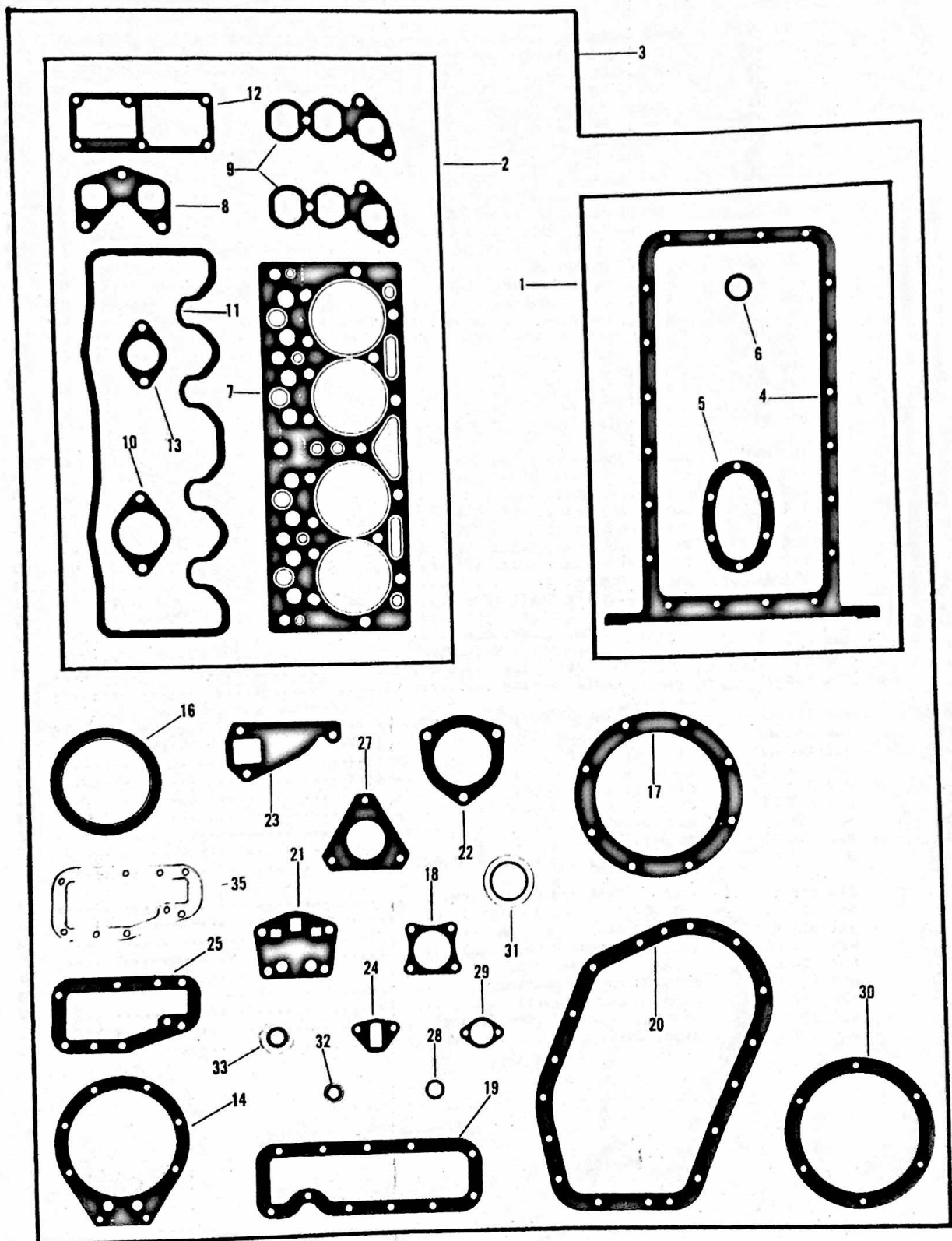
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(STANDARD MOTORS DIESEL)

(SERVICE REPLACEMENT)

Ref. No.	Part No.	Description	No. Req.
1	1 884 120 M91	Head Assembly, Cylinder.....	1
2	1 884 121 M91	Chamber Assembly, Combustion.....	4
	890 929 M1	Plug.....	1
4	825 188 M1	Plug, Welch (Expansion).....	1
	827 836 M1	Plug, Cylinder Head.....	1
	826 159 M1	Plug, Brass.....	4
	826 164 M1	Tube, Water Deliver.....	2
8	825 259 M1	Guide, Valve, Inlet.....	4
9	826 162 M1	Guide, Valve, Exhaust.....	4
	826 163 M1	Insert, Exhaust Valve Seat.....	4
11	826 160 M1	Set Screw, Oil Feed Plug.....	1
12	826 161 M1	Washer, Oil Plug Set Screw.....	1
13	1 884 123 M1	Valve, Intake.....	4
14	1 884 124 M1	Valve, Exhaust.....	4
15	1 884 126 M1	Spring, Valve, Inner.....	8
16	1 884 125 M1	Spring, Valve, Outer.....	8
17	825 257 M1	Collar, Intake Valve Spring Retainer.....	4
18	826 172 M1	Collar, Exhaust Valve Spring Retainer.....	4
19	825 258 M1	Cone, Intake Valve Spring Collar Retaining.....	8
20	826 173 M1	Cone, Exhaust Valve Spring Collar Retaining.....	8
21	826 174 M1	Cap, Exhaust Valve, End.....	4
22	1 884 122 M1	Cap, Intake, Valve, End.....	4
	827 934 M1	Insert, Intake Valve Seat.....	4
25	826 186 M91	Rocker Assembly No. 1 (Incl. item 27).....	4
26	826 189 M91	Rocker Assembly No. 2 (Incl. item 27).....	4
27	826 188 M1	Bushing, Rocker.....	2
28	826 120 M1	Screw, Adjusting, Valve Tappet.....	8
29	353 917 X1	Nut, Lock, Valve Tappet.....	8
30	826 184 M1	Pedestal, Rocker Shaft (Drilled).....	1
30	826 185 M1	Pedestal, Rocker Shaft (Plain).....	3
32	826 183 M1	Shaft, Rocker.....	1
33	890 462 M1	Spring, Rocker Shaft, Center.....	1
34	1 884 127 M1	Spring, Rocker Shaft, Intermediate.....	2
35	825 110 M1	Spring, Rocker Shaft, Outer.....	2
36	825 314 M1	Collar, Outer Spring Retaining.....	2
37	354 900 X1	Pin, Collar Retaining.....	2
	1 884 128 M1	Spacer, Center Spring.....	2
40	1 884 129 M1	Cover Assembly, Cylinder Head.....	1
41	826 194 M1	Gasket, Cylinder Head Cover.....	1
42	827 486 M1	Pipe, Breather.....	1
43	827 485 M1	Elbow, Breather Pipe.....	1
44	827 618 M1	Clip, Elbow to Pipe.....	1
	827 487 M1	Clip, Elbow to Sump Bolt.....	1
46	826 087 M1	Rod, Push.....	8
47	827 738 M1	Tappet.....	8
48	827 612 M1	Gasket, Cylinder Head to Block.....	1
52	375 200 X1	Washer, Cylinder Head Cover.....	3
53	353 916 X1	Nut, Cylinder Head Cover.....	3
54	827 613 M1	Bolt, Cylinder Head (Short).....	8
55	827 614 M1	Bolt, Cylinder Head (Long).....	9
56	827 722 M1	Washer, Cylinder Head Bolts.....	17
57	826 175 M1	Stud, Heading Locating.....	2
58	826 167 M1	Stud, Rocker (Short).....	2
59	826 178 M1	Stud, Rocker and Cover (Long).....	2
60	826 179 M1	Stud, Cover.....	1

F1538





# ENGINE GASKET KITS

35

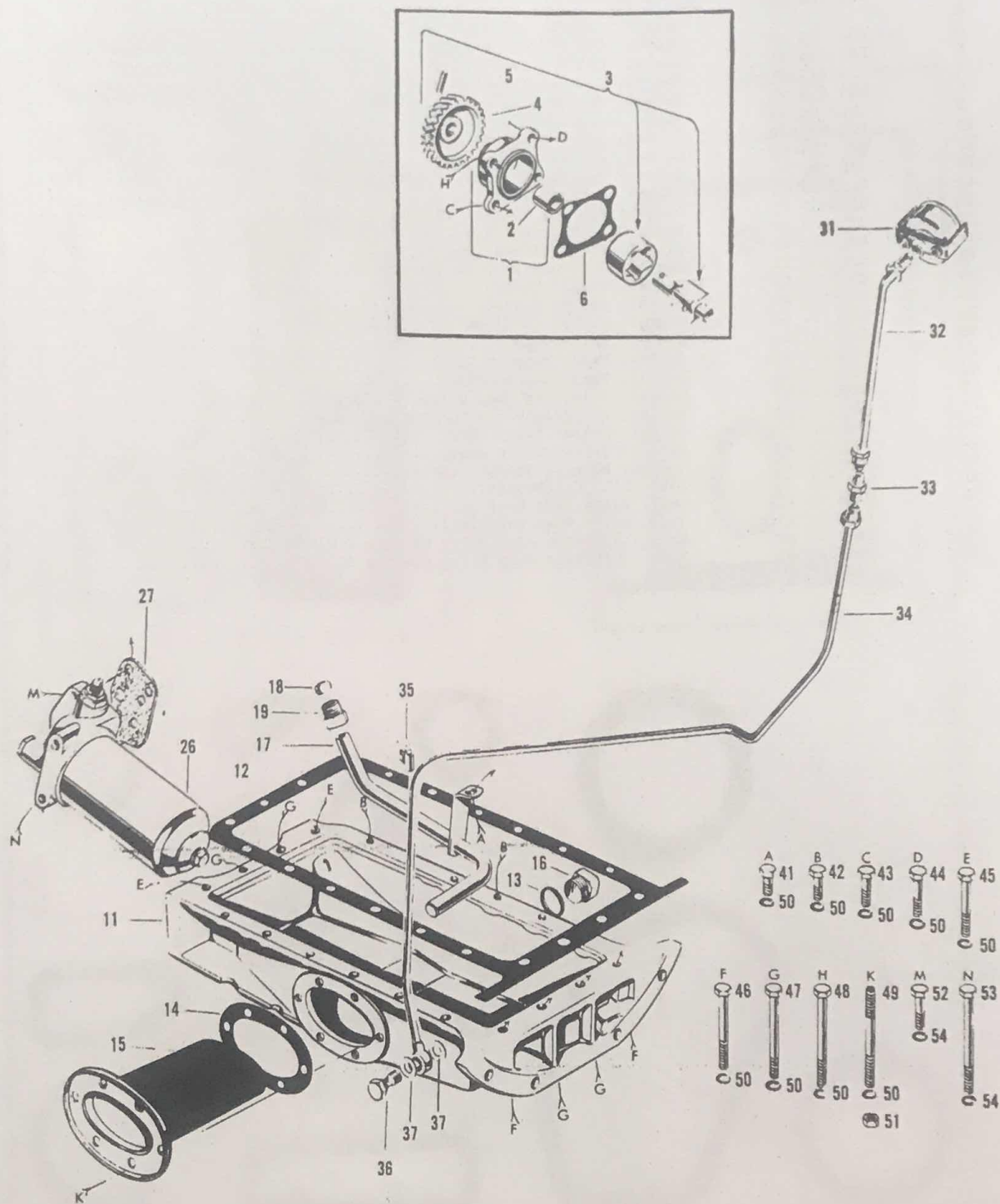
(STANDARD MOTORS DIESEL)

(SERVICE REPLACEMENT)

<u>Ref.</u> <u>No.</u>	<u>Part No.</u>	<u>Description</u>	<u>No.</u> <u>Req.</u>
1	830 893 M91	Gasket Kit, Oil Pan (Incl. items 4 thru 6).....	1
2	1 810 028 M91	Gasket Kit, Valve Grinding (Incl. items 7 thru 13).....	1
3	830 892 M92	Gasket Kit, Engine Over-Haul (Incl. items 4 thru 33).....	1
4		Gasket, Oil Pan to Block (Order 830 893 M91).....	1
5	1 881 933 M1	Gasket, Oil Filter to Pan.....	1
6	825 295 M1	Gasket, Oil Pan Drain Plug.....	1
7	1 882 771 M1	Gasket, Cylinder Head to Block.....	1
8	826 203 M1	Gasket, Manifold to Cylinder Head (Center).....	1
9	826 204 M1	Gasket, Manifold to Cylinder Head (Outer).....	2
10	825 659 M1	Gasket, Water Elbow to Body.....	1
11	826 194 M1	Gasket, Rocker Cover.....	1
12	1 883 003 M1	Gasket, Thermostat Body to Cylinder Head.....	1
13	825 003 M1	Gasket, Exhaust Pipe.....	1
14	826 012 M1	Gasket, Bearing Housing (Front).....	1
16	1 884 098 M1	Seal, Oil, Rear Bearing.....	1
17	826 047 M1	Gasket, Rear Oil Seal Cover.....	1
18	826 063 M1	Gasket, Oil Pump Body to Block.....	1
19	826 115 M2	Gasket, Tappet Cover.....	1
20	1 884 116 M1	Gasket, Timing Cover.....	1
21	894 184 M1	Gasket, Filter to Block.....	1
22	825 141 M1	Gasket, Water Pump.....	1
23	825 144 M1	Gasket, Water Pump to Block.....	1
24	829 606 M1	Gasket, Fuel Pump to Block.....	1
25	1 884 103 M1	Gasket, Injection Pump Drive to Block.....	1
27	1 884 130 M1	Gasket, Injection Pump to Housing.....	1
28	827 248 M1	Gasket, Outlet Elbow Plug.....	1
29	827 266 M1	Gasket, Tractormeter Drive.....	1
30	826 022 M1	Gasket, Bearing Housing (Rear).....	1
31	825 740 M1	Seal, Oil, Crankshaft.....	1
32	825 309 M1	Seal, Water Pump Bearing.....	1
33	825 374 M1	Seal, Water Pump Impeller.....	1
35	828 209 M1	Shim, Injection Pump Drive Housing (.010").....	1
35	828 208 M1	Shim, Injection Pump Drive Housing (.005").....	1

## OIL PUMP, OIL PAN, OIL GAUGE AND LINES

F1539



## OIL PUMP, OIL PAN, OIL GAUGE AND LINES

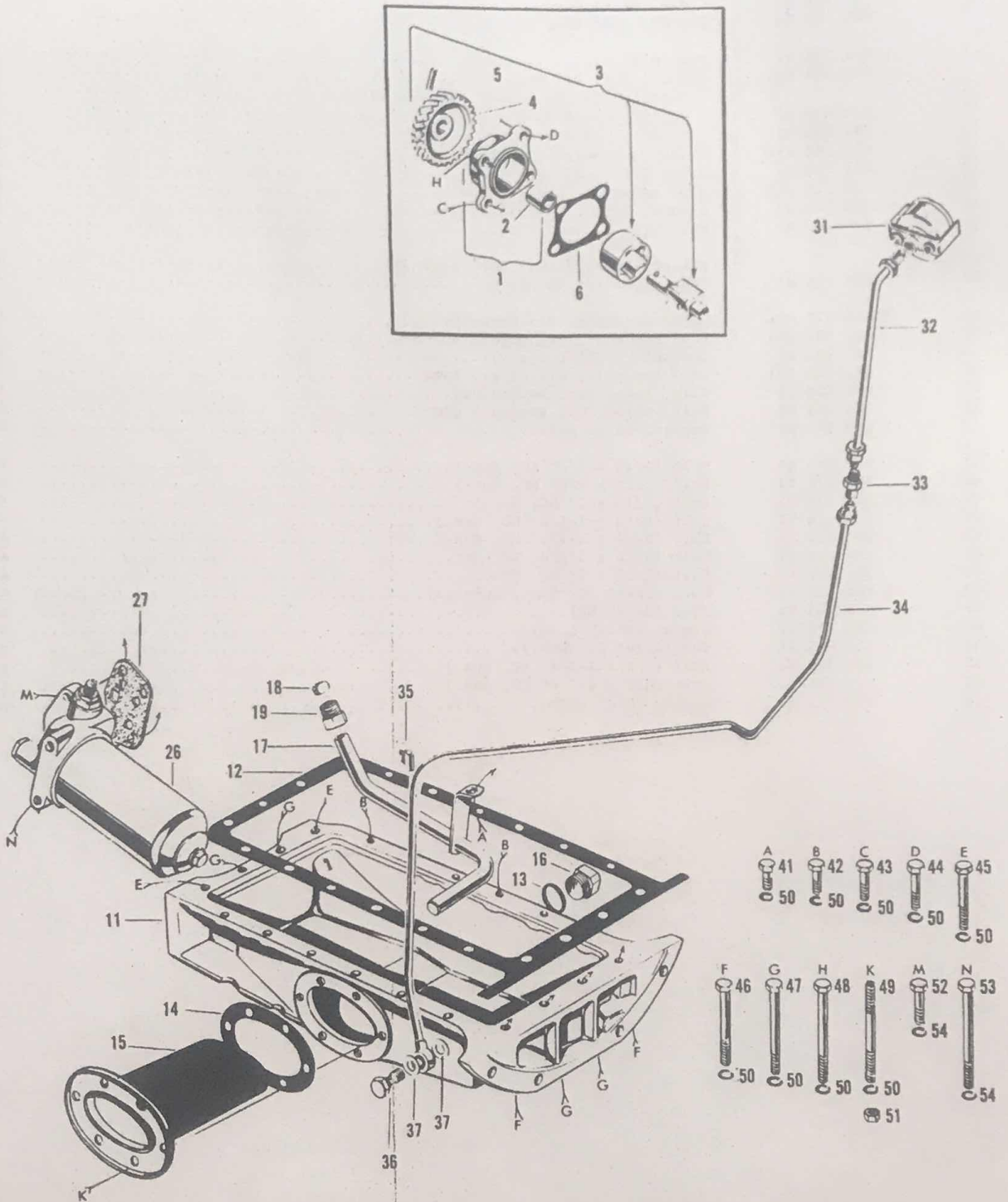
37

(SERVICE REPLACEMENT)

Ref. No.	Part No.	Description	No. Req.
1	1 884 111 M91	Body Assembly, Oil Pump.....	1
2	826 009 M1	Bushing, Oil Pump Body.....	1
3	1 884 112 M91	Shaft Assembly, Oil Pump.....	1
4	826 062 M1	Gear, Pump Driven.....	1
5	13 104 X	Pin, Drive Gear.....	1
6	826 063 M1	Gasket, Pump Body.....	1
11	1 884 118 M1	Pan, Oil.....	1
12	830 893 M91	Gasket, Set, Oil Pan.....	1
13	825 295 M1	Gasket, Oil Pan (Order 830 893 M91).....	1
14	1 881 933 M1	Gasket, Drain Plug.....	1
15	825 164 M91	Gasket, Oil Pan Filter Screen.....	1
16	825 219 M1	Filter Assembly, Oil Screen.....	1
17	826 140 M91	Plug, Drain, Oil Pan.....	1
18	826 145 M1	Pipe Assembly, Suction, Oil.....	1
19	826 146 M1	Sleeve, Pipe.....	1
		Nut, Pipe.....	1
26		Filter Assembly, Oil (See Page 41).....	1
27	829 184 M1	Gasket, Filter to Block.....	1
31	1 850 377 M96	Gauge Assembly, Oil Pressure.....	1
32	827 620 M91	Line Assembly, Oil Gauge, Upper.....	1
33	827 622 M1	Connector, Oil Lines.....	1
34	827 626 M91	Line Assembly, Oil Gauge, Lower.....	1
35	827 632 M1	Clip, Lower Line Retaining.....	1
36	826 003 M1	Bolt, Union, Oil Pressure Line.....	1
37	825 484 M1	Washer, Union Bolt.....	2
41	353 675 X1	Bolt (5/16 x 1/2" NC, Hex.).....	x
42	353 678 X1	Bolt (5/16 x 7/8" NC, Hex.).....	x
43	1 884 113 M1	Bolt (5/16 x 1" NC, Hex.).....	x
44	1 884 114 M1	Bolt (5/16 x 1-5/8" NC, Hex.).....	x
45	354 615 X1	Bolt (5/16 x 2-1/2" NC, Hex.).....	x
46	354 624 X1	Bolt (5/16 x 3-5/8" NC, Hex.).....	x
47	354 627 X1	Bolt (5/16 x 4" NC, Hex.).....	x
48	1 884 115 M1	Bolt (5/16" NC, Hex., Special).....	x
49	825 324 M1	Stud (5/16" NF).....	x
50	375 200 X1	Washer (5/16" Lock).....	x
51	353 916 X1	Nut (5/16" NF, Hex.).....	x
52	353 693 X1	Bolt (3/8 x 1-1/4" NC, Hex.).....	x
53	354 633 X1	Bolt (3/8 x 4-1/8" NC, Hex.).....	x
54	353 434 X1	Washer (3/8" Lock).....	x

## OIL PUMP, OIL PAN, OIL GAUGE AND LINES

F 1540





## OIL PUMP, OIL PAN, OIL GAUGE AND LINES

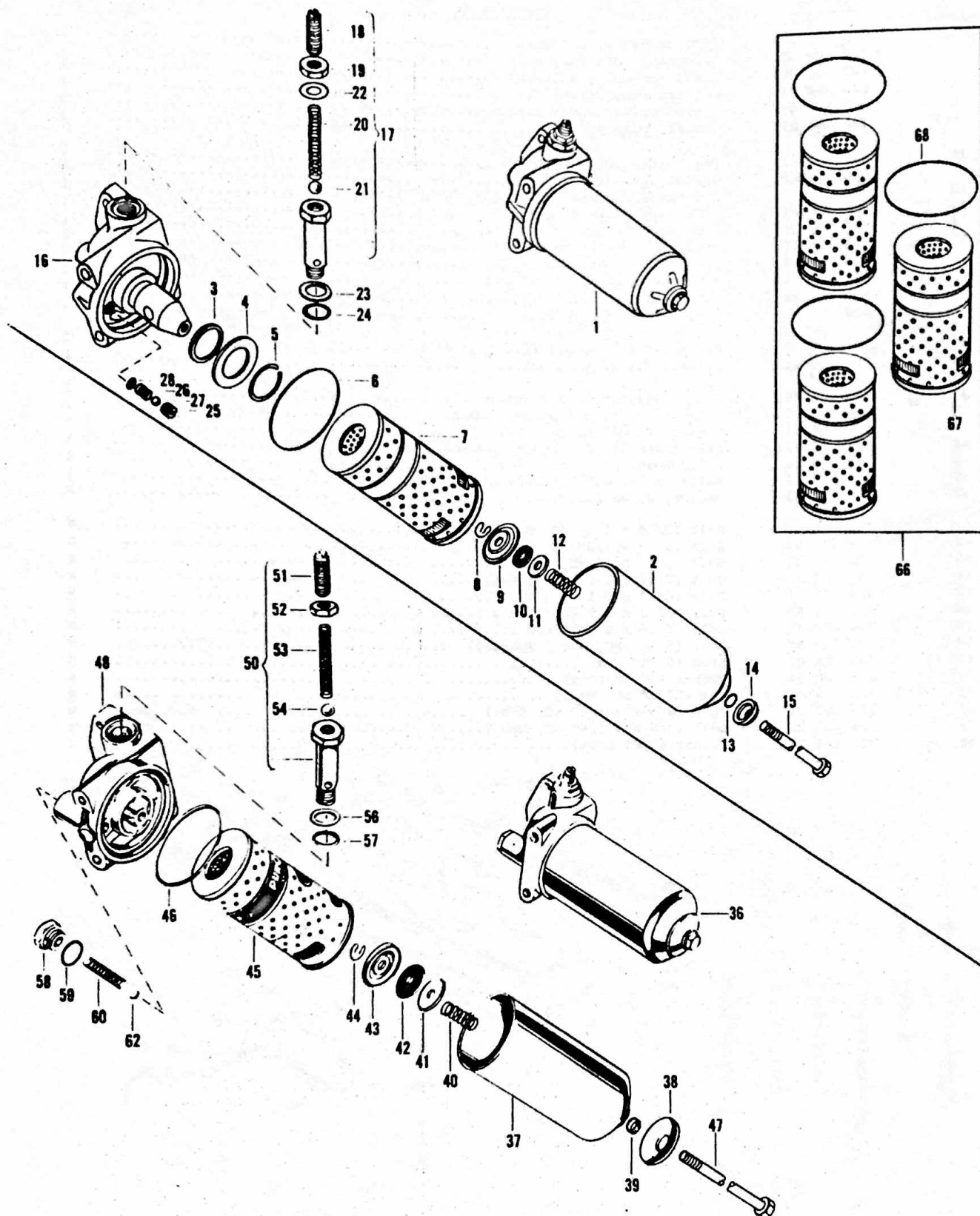
39

(STANDARD MOTORS DIESEL)

Ref. No.	Part No.	Description	No. Req.
1	826 057 M91	Body Assembly, Oil Pump.....	1
2	826 009 M1	Bushing, Oil Pump Body.....	1
3	827 615 M91	Shaft Assembly, Oil Pump.....	1
4	826 062 M1	Gear, Pump Driven.....	1
5	13 104 X	Pin, Drive Gear.....	1
6	826 063 M1	Gasket, Pump Body.....	1
11	826 147 M1	Pan, Oil.....	1
	830 893 M91	Gasket Set, Oil Pan.....	1
12		Gasket, Oil Pan (Order 830 893 M91).....	1
13	825 295 M1	Gasket, Drain Plug.....	1
14	1 881 933 M1	Gasket, Oil Pan Filter Screen.....	1
15	825 164 M91	Filter Assembly, Oil Screen.....	1
16	825 219 M1	Plug, Drain, Oil Pan.....	1
17	826 140 M91	Pipe Assembly, Suction, Oil.....	1
18	826 145 M1	Sleeve, Pipe.....	1
19	826 146 M1	Nut, Pipe.....	1
26		Filter Assembly, Oil (See Page 41).....	1
27	829 184 M1	Gasket, Filter to Block.....	1
31	1 850 377 M96	Gauge Assembly, Oil Pressure.....	1
32	827 620 M91	Line Assembly, Oil Gauge, Upper.....	1
33	827 622 M1	Connector, Oil Lines.....	1
34	827 626 M91	Line Assembly, Oil Gauge, Lower.....	1
35	827 632 M1	Clip, Lower Line Retaining.....	1
36	826 003 M1	Bolt, Union, Oil Pressure Line.....	1
37	825 484 M1	Washer, Union Bolt.....	2
41	353 675 X1	Bolt (5/16 x 1/2" NC, Hex.).....	x
42	353 678 X1	Bolt (5/16 x 7/8" NC, Hex.).....	x
43	353 679 X1	Bolt (5/16 x 1" NC, Hex.).....	x
44	353 684 X1	Bolt (5/16 x 1-5/8" NC, Hex.).....	x
45	354 615 X1	Bolt (5/16 x 2-1/2" NC, Hex.).....	x
46	354 624 X1	Bolt (5/16 x 3-5/8" NC, Hex.).....	x
47	354 627 X1	Bolt (5/16 x 4" NC, Hex.).....	x
48	826 064 M1	Bolt (5/16" NC, Hex., Special).....	x
49	825 324 M1	Stud (5/16" NF).....	x
50	375 200 X1	Washer (5/16" Lock).....	x
51	353 916 X1	Nut (5/16" NF, Hex.).....	x
52	353 693 X1	Bolt (3/8 x 1-1/4" NC, Hex.).....	x
53	354 633 X1	Bolt (3/8 x 4-1/8" NC, Hex.).....	x
54	353 434 X1	Washer (3/8" Lock).....	x

## OIL FILTER

F1541



# OIL FILTER

41

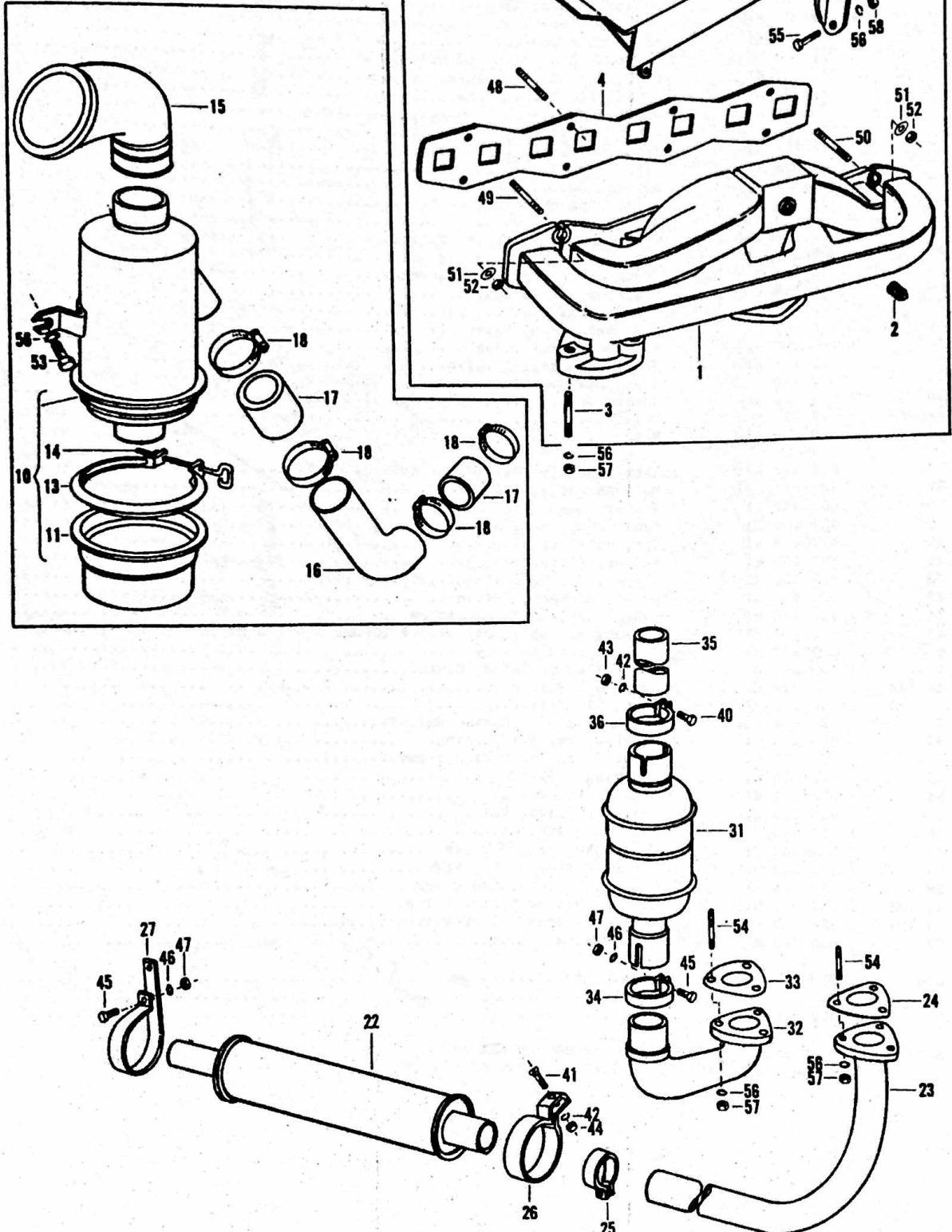
(STANDARD MOTORS DIESEL)

Ref. No.	Part No.	Description	No. Req.
1	829 484 M91	Filter Assembly, Oil.....	1
2	1 851 161 M91	Body Assembly, Oil Filter Sump.....	1
3	827 446 M1	Seal, Sump (Top).....	1
4	1 851 170 M1	Guide, Element (Top).....	1
5	1 851 169 M1	Circlip (Top).....	1
6	1 851 168 M1	Seal, Sump Top.....	1
7	826 137 M91	Element (Order 830 902 M91).....	1
8	1 850 938 M1	Circlip, Guide Retaining.....	1
9	827 453 M1	Guide, Element (Bottom).....	1
10	827 454 M1	Gasket, Spring Cushion.....	1
11	827 455 M1	Washer, Filter Spring.....	1
12	827 458 M1	Spring, Filter.....	1
13	1 015 319 M1	Seal, Bottom.....	1
14		Washer, Bolt.....	1
15	1 851 167 M1	Bolt, Element Guide, Center.....	1
16	1 851 164 M1	Head, Oil Filter.....	1
17	827 692 M91	Valve Assembly, Engine Relief.....	1
18	825 311 M1	Screw, Valve Adjusting.....	1
19	825 115 M1	Nut, Lock, Adjusting Screw.....	1
20	825 310 M1	Spring, Valve Body.....	1
21	825 301 M1	Ball, Valve.....	1
22	825 104 M1	Washer, Lead, Valve.....	1
23	1 754 263 M1	Washer, Relief Valve.....	1
24	827 448 M1	Seal, Oil, Relief Valve.....	1
25	1 851 165 M1	Seat, Ball.....	1
26	1 851 166 M1	Spring.....	1
27	13 535 X	Ball.....	1
28	1 850 936 M1	Washer.....	1
36	828 777 M91	Filter Assembly, Oil (Order 829 484 M91).....	1
37	827 571 M91	Body Assembly, Oil Filter Sump.....	1
38	827 457 M1	Washer, Sump Reinforcement.....	1
39	827 459 M1	Seal, Sump, Bottom.....	1
40	827 458 M1	Spring, Filter.....	1
41	827 455 M1	Washer, Filter Spring.....	1
42	827 454 M1	Gasket, Spring Cushion.....	1
43	827 453 M1	Guide, Element, Bottom.....	1
44	1 850 938 M1	Ring, Snap, Guide Retaining.....	1
45	826 137 M91	Element Assembly, Oil Filter (Order 830 902 M91).....	1
46	827 446 M1	Gasket, Head to Body.....	1
47	1 850 344 M1	Bolt, Element Guide, Center.....	1
48 (A)	1 851 019 M1	Head, Oil Filter.....	1
48 (B)	1 850 341 M1	Head, Oil Filter.....	1
50	827 692 M91	Valve Assembly, Engine Relief.....	1
51	825 311 M1	Screw, Valve Adjusting.....	1
52	825 115 M1	Nut, Lock, Adjusting Screw.....	1
53	825 310 M1	Spring, Valve Body.....	1
54	825 301 M1	Ball, Valve.....	1
	825 104 M1	Washer, Lead, Valve.....	1
56	1 754 263 M1	Washer, Relief Valve.....	1
57	827 448 M1	Seal, Oil, Relief Valve.....	1
58	1 850 343 M1	Cover, Filter Relief Valve.....	1
59	1 850 345 M1	Gasket, Relief Valve Cover.....	1
60 (A)	1 851 021 M1	Spring, Filter Relief Valve.....	1
60 (B)	1 850 342 M1	Spring, Filter Relief Valve.....	1
62	825 301 M1	Ball, Valve.....	1
66	830 902 M91	Element Kit.....	x
67		Element.....	3
68	827 446 M1	Gasket.....	3

Notes: (A) - Used Engine Serial Number SJ 859 83E and up.  
 (B) - Used prior to Engine Serial Number SJ 859 83E.

## MANIFOLD, MUFFLER, AIR CLEANER

F1542





# MANIFOLD, MUFFLER, AIR CLEANER

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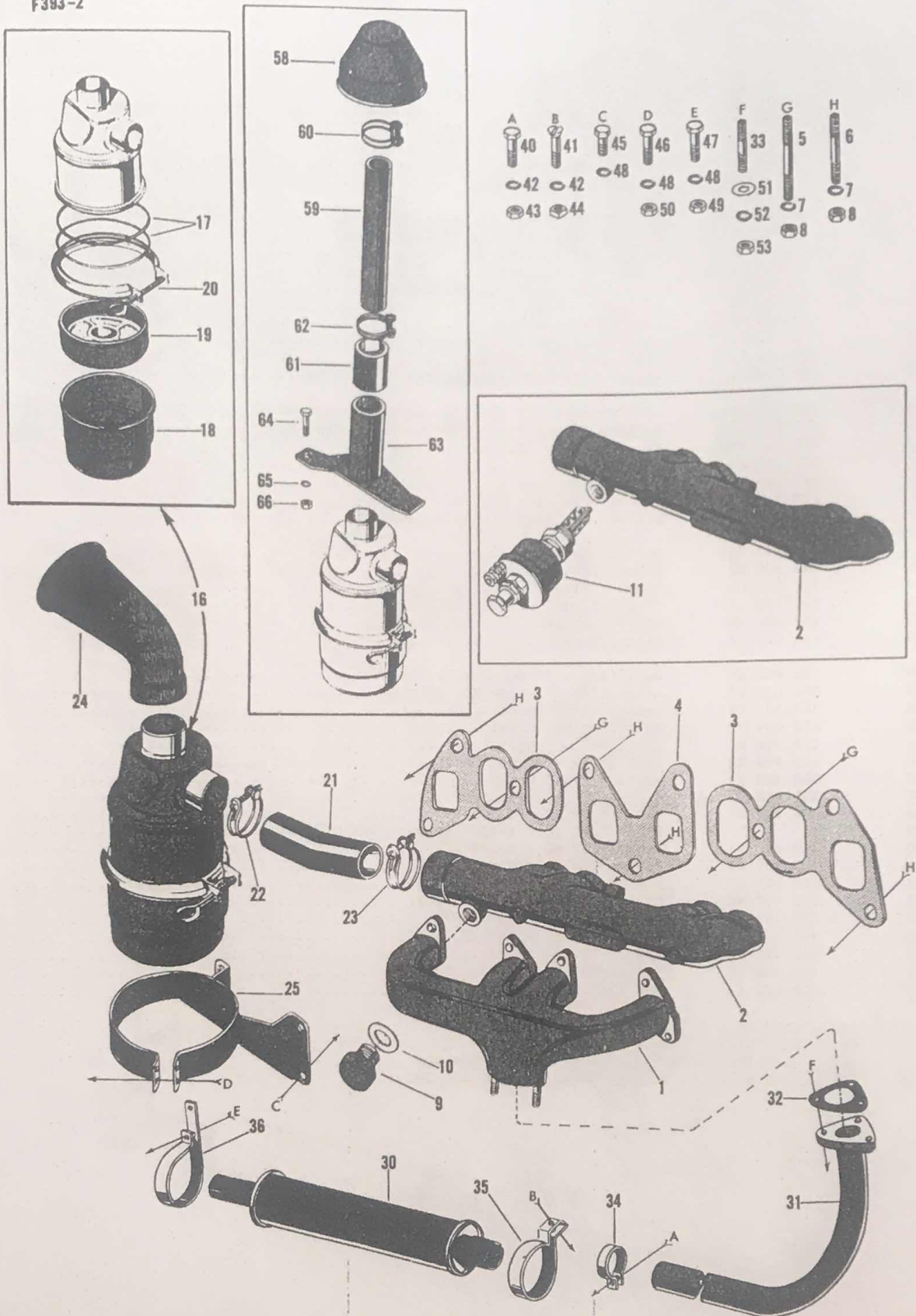
(GAS)

Ref. No.	Part No.	Description	No. Req.
1 (A)	1 039 258 M1	Manifold.....	1
2 (A)	355 547 X1	Plug (1/8" Pipe Sq. Hd.).....	1
3 (A)	1 750 138 M1	Stud (7/16" NC x 1-3/8").....	2
1 (B)	1 027 660 M91	Manifold Assembly.....	1
2	355 547 X1	Plug (1/8" Pipe Sq. Hd.).....	1
3	1 750 138 M1	Stud (7/16" NC x 1-3/8").....	2
4	1 750 045 M1	Gasket, Manifold.....	1
5	181 144 M93	Shield Assembly, Heat.....	1
10 (C)	187 118 M91	Cleaner Assembly, Air (13-7/8" Long).....	1
10 (D)	182 243 M91	Cleaner Assembly, Air (12-1/2" Long).....	1
11	1 751 275 M1	Cup, Oil (Outer).....	1
11	1 751 473 M1	Cup, Oil (Inner).....	1
13	15 203 A	Clamp Assembly, Cup Retaining.....	1
14	1 010 459 M1	Bolt, Clamp.....	1
15	180 362 M1	Tube, Air Inlet Scoop.....	1
16	181 525 M1	Pipe, Cleaner to Carburetor.....	1
17	180 062 M1	Hose, Air Cleaner Pipe.....	2
18	195 694 M1	Clamp, Hose (2" Clamp)(Order 832 713 M1).....	4
22	505 545 M91	Muffler Assembly (34-1/4" Long)(De-Luxe Model).....	1
22	185 467 M92	Muffler Assembly (28-5/8" Long)(Special Model).....	1
23	181 600 M92	Pipe Assembly, Exhaust.....	1
24	180 104 M1	Gasket, Pipe.....	1
25	180 070 M1	Clamp, Pipe.....	1
26	180 715 M1	Bracket, Muffler (to Step Plate).....	1
27	180 365 M2	Bracket, Muffler (to Axle Housing).....	1
31	181 867 M91	Muffler Assembly (Vertical).....	1
32	181 866 M2	Elbow, Exhaust.....	1
33	180 104 M1	Gasket, Elbow.....	1
34	181 868 M1	Clamp, Elbow.....	1
35	181 869 M1	Pipe, Exhaust.....	1
36	180 070 M1	Clamp, Pipe.....	1
40	353 669 X1	Bolt (1/4 x 1" NC, Hex.).....	x
41	354 028 X1	Screw (1/4 x 1-1/4" NC, Flat Hd.).....	x
42	353 441 X1	Washer (1/4" Lock).....	x
43	355 564 X1	Nut (1/4" NC, Hex.).....	x
44	195 540 M1	Nut (1/4" NC, Sq.).....	x
45	353 679 X1	Bolt (5/16 x 1" NC, Hex.).....	x
46	353 446 X1	Washer (5/16" Lock).....	x
47	355 565 X1	Nut (5/16" NC, Hex.).....	x
48	21 207 A	Stud (3/8" NC x 1-1/2").....	x
49		Stud (3/8" NC x 1-5/8")(Order 1007 532 M1).....	x
50	1 007 532 M1	Stud (3/8" NC x 1-3/4").....	x
51	353 756 X1	Washer (3/8" Regular Flat).....	x
52	354 123 X1	Nut (3/8" NC, Hex.).....	x
53	353 557 X1	Bolt (7/16 x 3/4" NC, Hex.).....	x
54	1 750 138 M1	Stud (7/16" NC x 1-3/8").....	x
55	353 565 X1	Bolt (7/16 x 1-3/4" NF, Hex.).....	x
56	353 432 X1	Washer (7/16" Lock).....	x
57	195 653 M1	Nut (7/16" NC, Hex.).....	x
58	353 426 X1	Nut (7/16" NF, Hex.).....	x

Notes: (A) - Used Late Production Machines.  
 (B) - Used Early Production Machines.  
 (C) - Used Tractor Serial Number 204 181 and up.  
 (D) - Used prior to Tractor Serial Number 204 181.

## MANIFOLD, MUFFLER, AIR CLEANER

F393-2



# MANIFOLD, MUFFLER, AIR CLEANER

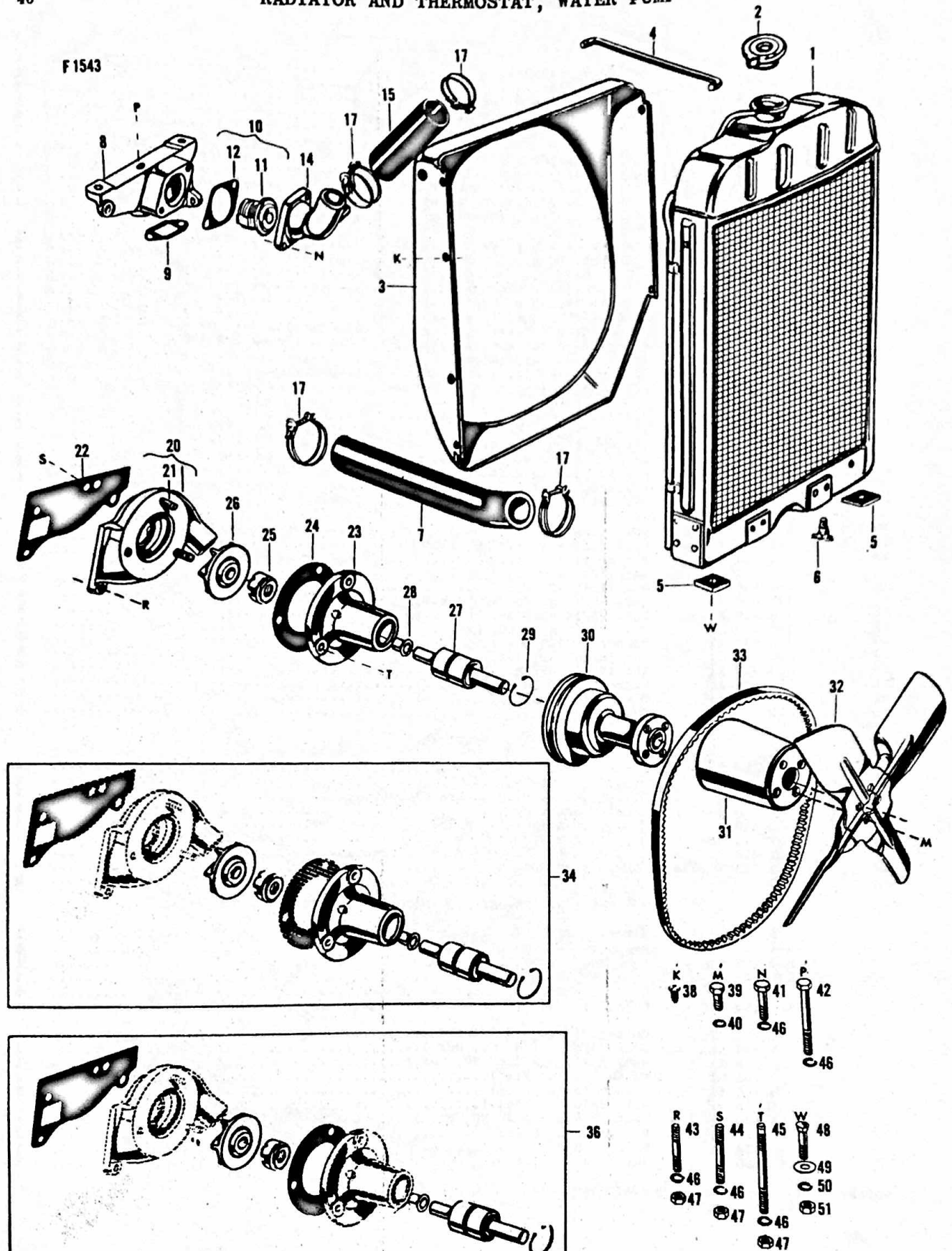
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(STANDARD MOTORS DIESEL)

Ref. No.	Part No.	Description	No. Req.
1	826 143 M1	Manifold, Exhaust.....	1
2	828 791 M1	Manifold, Air.....	1
3	826 204 M1	Gasket, Manifold, Outer.....	2
4	826 203 M1	Gasket, Manifold, Center.....	1
5	826 180 M1	Stud, Manifold (Long).....	2
6	891 933 M1	Stud, Manifold (Short).....	7
7	353 434 X1	Washer, Spring, Manifold Stud.....	9
8	825 187 M1	Nut, Manifold Stud.....	9
9 (A)	829 161 M1	Plug, Manifold (Air Heater Hole).....	1
10 (A)	829 181 M1	Washer, Plug (Copper Asbestos).....	1
11 (B)	1 021 910 M91	Heater, Manifold (Starting Aid).....	1
16	826 961 M92	Cleaner Assembly, Air.....	1
17	1 850 832 M1	Gasket, Body.....	2
18	1 850 831 M1	Cup, Oil.....	1
19	1 850 830 M1	Element, Air Cleaner.....	1
20	1 850 833 M92	Clamp Assembly, Cup Retaining.....	1
21	826 963 M1	Hose, Air Cleaner to Manifold.....	1
22	826 964 M1	Clamp, Hose (at Air Cleaner)(2-3/16" Clamp)(Order 364 126 X1).....	1
23	375 227 X1	Clamp, Hose (at Manifold)(1-13/16" Clamp)(Order 364 126 X1).....	1
24	827 080 M1	Tube, Scoop, Air Inlet.....	1
25	826 965 M91	Bracket Assembly, Air Cleaner Mounting.....	1
	186 469 M1	Decal, Air Cleaner Instructions.....	1
30	505 545 M92	Muffler Assembly.....	1
31	826 990 M91	Pipe Assembly, Exhaust.....	1
32	825 003 M1	Gasket, Pipe to Manifold.....	1
33	891 933 M1	Stud, Pipe to Manifold.....	2
34	180 070 M1	Clamp, Pipe to Muffler.....	1
35	180 715 M1	Bracket, Muffler Support (to Platform).....	1
36	180 365 M2	Bracket, Muffler Support (to Axle Housing).....	1
40	353 669 X1	Bolt (1/4 x 1" NC, Hex.).....	x
41	354 028 X1	Bolt (1/4 x 1-1/4" NC, Flat Hd.).....	x
42	353 441 X1	Washer (1/4" Lock).....	x
43	354 121 X1	Nut (1/4" NC, Hex.).....	x
44	195 540 M1	Nut (1/4" NC, Sq.).....	x
45	353 516 X1	Bolt (5/16 x 5/8" NF, Hex.).....	x
46	353 519 X1	Bolt (5/16 x 1" NF, Hex.).....	x
47	353 679 X1	Bolt (5/16 x 1" NC, Hex.).....	x
48	353 446 X1	Washer (5/16" Lock).....	x
49	355 565 X1	Nut (5/16" NC, Hex.).....	x
50	353 916 X1	Nut (5/16" NF, Hex.).....	x
51	353 756 X1	Washer (3/8" Small Flat).....	x
52	353 434 X1	Washer (3/8" Lock).....	x
53	825 187 M1	Nut (3/8" Hex.).....	x
VERTICAL			
58	1 850 293 M91	Pre-Cleaner.....	1
59	827 705 M1	Pipe, Air Intake.....	1
60	1 850 294 M1	Clamp, Intake Pipe to Pre-Cleaner.....	1
61	827 706 M1	Hose, Connecting.....	1
62	359 495 X1	Clamp, Hose to Intake Pipe.....	1
63	187 479 M91	Support Assembly, Intake Pipe.....	1
64	353 516 X1	Bolt, Support (5/16 x 5/8" NF, Hex.).....	3
65	353 446 X1	Washer (5/16" Lock).....	3
66	353 916 X1	Nut (5/16" NF, Hex.).....	3
VERTICAL EXHAUST KIT (NOT ILLUSTRATED)			
	824 245 M1	Elbow.....	1
	894 291 M1	Clip.....	1
	894 297 M1	Silencer.....	1
	640 012 M1	Pipe, Extension.....	1
	825 685 M1	Clip, Pipe to Silencer.....	1
	825 686 M1	Clip, Silencer to Elbow.....	1
	354 061 X1	Cotter Pin (1/8 x 1-1/4").....	1
	353 678 X1	Bolt (5/16 x 7/8" NC, Hex.).....	1
	354 616 X1	Bolt (5/16 x 2-5/8" NC, Hex.).....	1
	353 755 X1	Washer (5/16" Flat).....	2
	353 446 X1	Washer (5/16" Lock).....	2
	355 65 X1	Nut (5/16" NC, Hex.).....	2
	353 898 X1	Bolt (3/8 x 3-1/4" NC, Hex.).....	1
	353 756 X1	Washer (3/8" Flat).....	2
	353 434 X1	Washer (3/8" Lock).....	1
	355 566 X1	Nut (3/8" NC, Hex.).....	1

Notes: (A) - Used Tractor Serial Number 188 851 and up.  
(B) - Used prior to Tractor Serial Number 188 851.

## RADIATOR AND THERMOSTAT, WATER PUMP





# RADIATOR AND THERMOSTAT, WATER PUMP

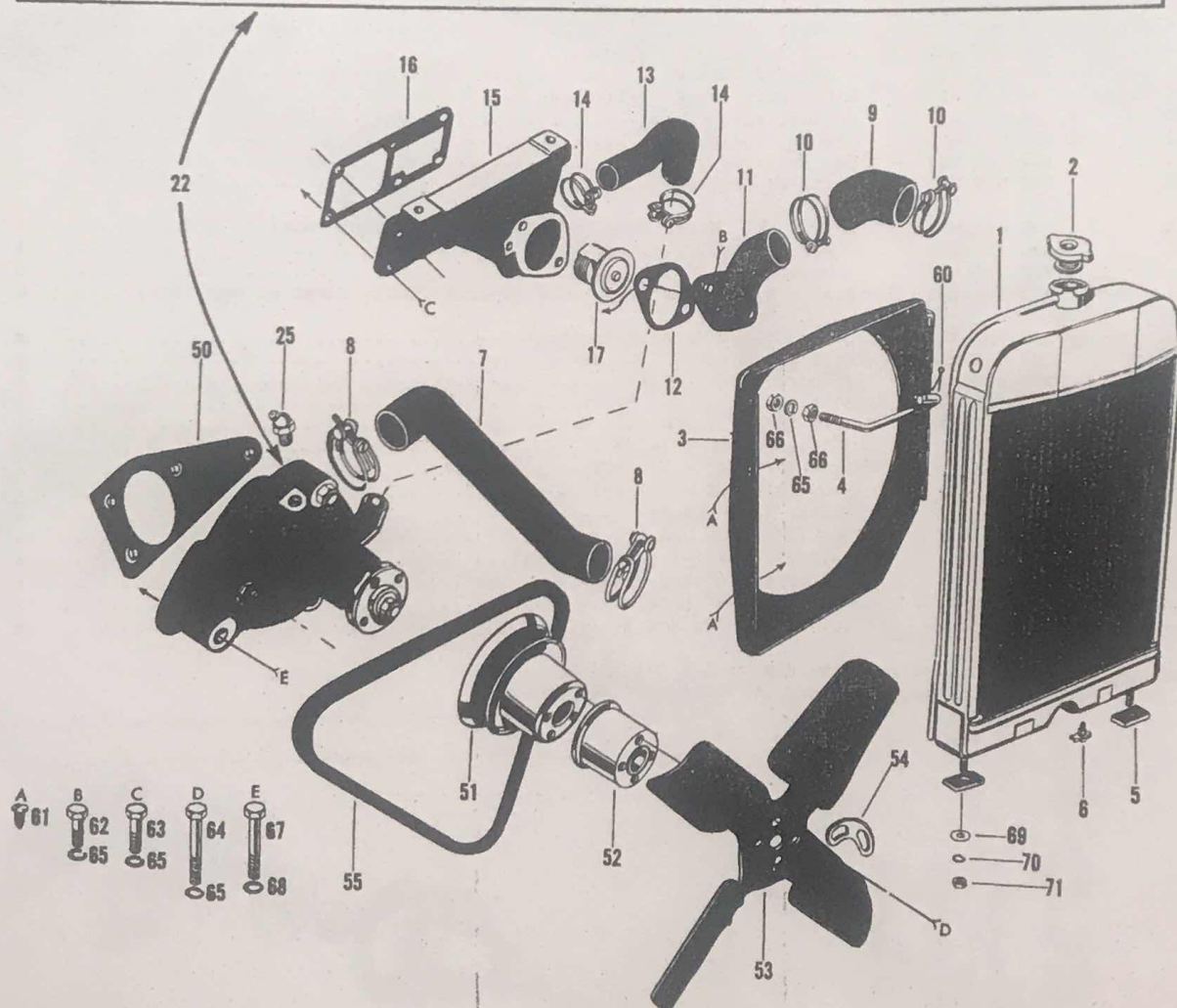
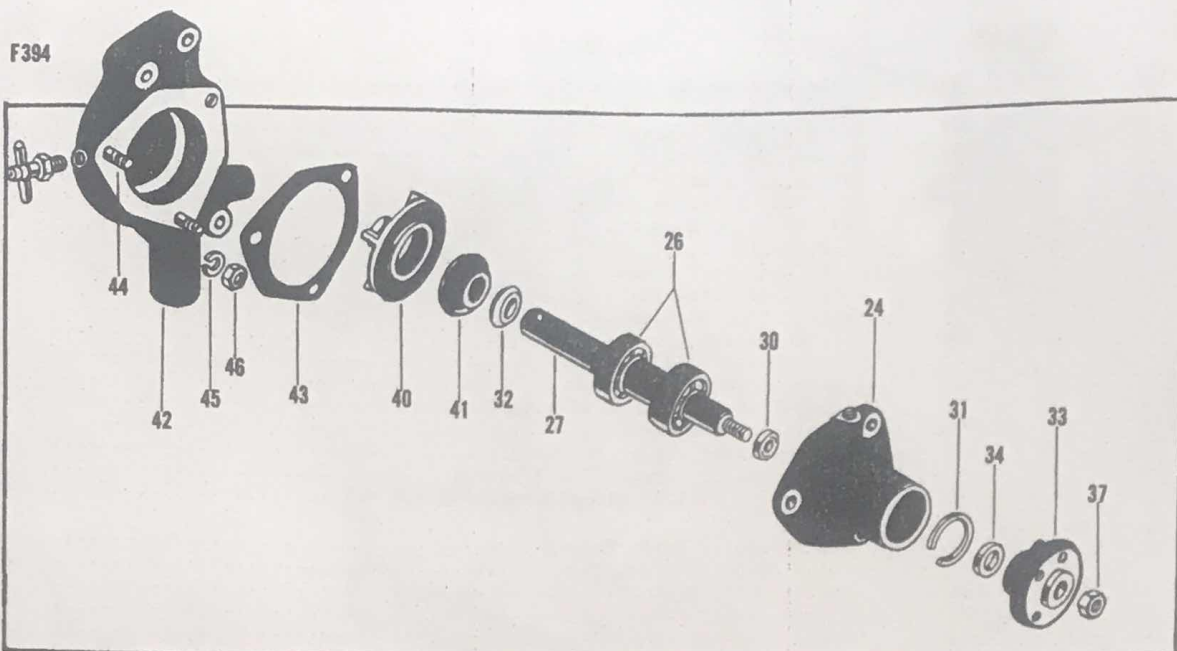
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(GAS)

Ref. No.	Part No.	Description	No. Req.
1 (A)	186 830 M91	Radiator Assembly (24-21/64" High).....	1
1 (B)	180 291 M1	Radiator Assembly (22-53/64" High).....	1
2	180 224 M91	Cap Assembly, Radiator .....	1
3	194 376 M91	Shroud, Radiator.....	1
4 (A)	186 989 M1	Rod, Tie, Radiator (10-1/4" Long).....	1
4 (B)	180 785 M1	Rod, Tie, Radiator (9-3/8" Long).....	1
5	180 705 M1	Pad, Radiator Support.....	2
6	763 716 M1	Cock, Drain.....	1
7	180 783 M1	Hose, Radiator, Lower.....	1
8	181 521 M1	Body, Thermostat.....	1
9	181 528 M1	Gasket, Body to Head.....	1
10	836 000 M91	Thermostat Kit.....	1
11		Thermostat (160°).....	1
12	181 526 M1	Gasket, Body to Elbow.....	1
	184 406 M2	Gasket (Not required this application).....	1
14	181 520 M1	Elbow, Engine Outlet.....	1
15 (A)	186 826 M1	Hose, Radiator, Upper (6" Long).....	1
15 (B)	180 085 M1	Hose, Radiator, Upper (5-1/2" Long).....	1
17	195 694 M1	Clamp, Hose (1-7/8" Clamp)(Order 832 713 M1).....	4
20	1 750 213 M91	Body Assembly, Water Pump.....	1
21	21 207 A	Stud (3/8" NC x 1-1/2").....	2
22 (C)	1 750 077 M1	Gasket, Body to Block.....	1
23 (D)	1 750 080 M1	Support, Water Pump.....	1
24 (C)	1 750 079 M2	Gasket, Support to Body.....	1
25 (C,D)	1 750 084 M91	Seal Assembly, Water Pump.....	1
26 (C,D)	1 750 078 M1	Impeller.....	1
27 (C,D)	1 750 083 M91	Shaft Assembly.....	1
28 (C)	1 750 579 M1	Slinger, Water.....	1
29 (C,D)	1 750 145 M1	Ring, Snap, Shaft Retaining.....	1
30	1 750 081 M1	Pulley, Water Pump.....	1
31	1 750 075 M1	Shroud, Pulley.....	1
32	181 522 M91	Fan Assembly.....	1
33	509 572 M1	Belt, Fan Pulley.....	1
34	830 691 M91	Repair Kit, Water Pump, w/Support (Incl. Items marked "D").....	x
	830 514 M91	Works Kit.....	1
	1 750 079 M2	Gasket.....	1
36	830 495 M91	Repair Kit, Water Pump, less Support (Incl. Items marked "C").....	x
38	365 936 X1	Screw (#10 - 24 Self-Tapping).....	x
39	353 676 X1	Bolt (5/16 x 5/8" NC, Hex.).....	x
40	353 446 X1	Washer (5/16" Lock).....	x
41	353 691 X1	Bolt (3/8 x 1" NC, Hex.).....	x
42	353 438 X1	Bolt (3/8 x 3-3/8" NC, Hex.).....	x
43	15 245 A	Stud (3/8" NC x 1-3/8").....	x
44	1 003 886 M1	Stud (3/8" NC x 1-5/8").....	x
45	1 752 893 M1	Stud (3/8" NC x 3-1/4").....	x
46	353 434 X1	Washer (3/8" Lock).....	x
47	354 119 X1	Nut (3/8" NC, Hex.).....	x
48	353 828 X1	Bolt (7/16 x 1-1/4" NF, Carr.).....	x
49	353 757 X1	Washer (7/16" Reg. Flat).....	x
50	353 432 X1	Washer (7/16" Lock).....	x
51	355 645 X1	Nut (7/16" NC, Hex.).....	x

Notes: (A) - Used Tractor Serial Number 204 181 and up.  
 (B) - Used prior to Tractor Serial Number 204 181.

## RADIATOR AND THERMOSTAT, WATER PUMP



# RADIATOR AND THERMOSTAT, WATER PUMP

49

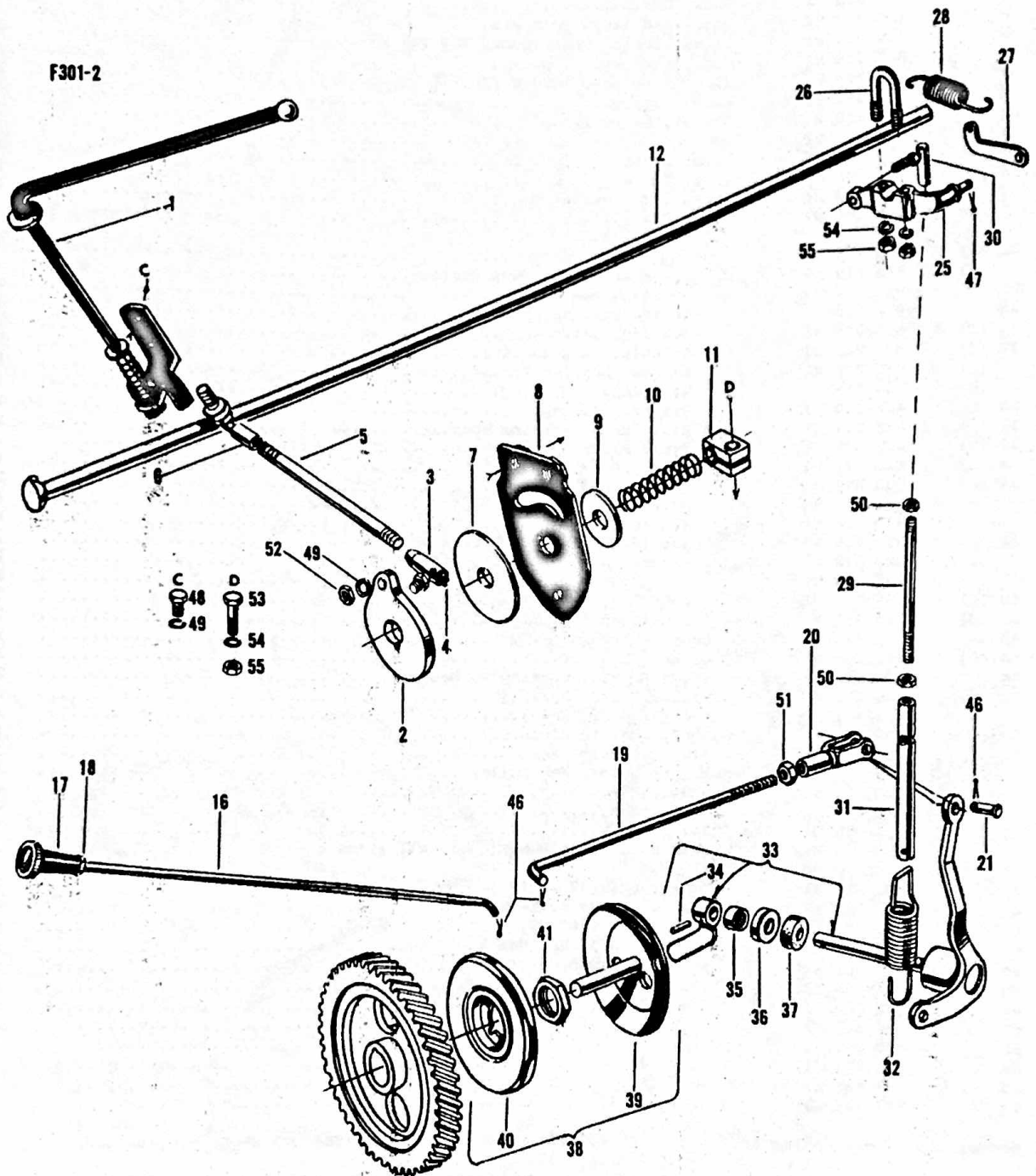
(STANDARD MOTORS DIESEL)

Ref. No.	Part No.	Description	No. Req.
1	828 096 M92	Radiator Assembly.....	1
2	826 772 M1	Cap, Radiator.....	1
3	828 097 M1	Shroud, Radiator.....	1
4	826 989 M1	Rod, Tie, Radiator.....	1
5	180 705 M1	Pad, Radiator Support.....	2
6	1 851 095 M2	Cock, Drain.....	1
7	826 988 M1	Hose, Radiator, Bottom.....	1
8	825 015 M1	Clamp, Bottom Hose (Order 832 713 M1).....	2
9	827 496 M1	Hose, Radiator, Top.....	1
10	826 774 M1	Clamp, Top Hose (Order 832 713 M1).....	2
11	827 484 M1	Elbow, Water.....	1
12	825 659 M1	Gasket, Water Elbow.....	1
13	826 199 M1	Connection, Water, By-Pass.....	1
14	364 125 X1	Clip, Connection.....	2
15	826 195 M1	Body, Thermostat.....	1
16	1 883 003 M1	Gasket, Thermostat Body.....	1
17	828 141 M1	Thermostat.....	1
22 (A)	826 119 M91	Pump Assembly, Water.....	1
(A)	825 440 M91	Housing Assembly, Pump Bearing.....	1
24	825 447 M1	Housing, Bearing.....	1
25	MP 1 058	Grease Fitting, Housing.....	1
26 (C)	825 375 M1	Bearing, Water Pump.....	2
27 (C)	825 743 M1	Spindle, Pump Bearing.....	1
(C)	825 376 M1	Washer, Bearing Thrust.....	1
(C)	353 213 X1	Ring, Snap, Bearing.....	1
30 (C)	825 370 M1	Spacer, Bearing.....	1
31 (C)	825 371 M1	Ring, Snap, Bearing Housing.....	1
32 (C)	825 309 M1	Seal, Water Pump Spindle.....	1
33 (B)	825 377 M1	Hub, Fan, Pulley.....	1
34	825 379 M1	Spacer, Hub.....	1
	825 380 M1	Cotter Pin, Hub.....	1
	375 200 X1	Washer (5/16" Lock).....	1
37	353 916 X1	Nut (5/16" NF, Hex.).....	1
	825 372 M1	Washer, Retainer.....	1
	195 663 M1	Nut, Nyloc, Thin.....	1
40 (C)	825 742 M1	Impeller, Water Pump.....	1
41 (C)	825 374 M1	Seal, Impeller.....	1
42	827 770 M1	Body, Water Pump.....	1
43 (C)	825 141 M1	Gasket, Body.....	1
44	825 145 M1	Stud, Bearing Housing to Body.....	2
45	353 434 X1	Washer, (3/8" Spring).....	2
46	353 431 X1	Nut (3/8" NF, Hex.).....	2
50 (C)	825 144 M1	Gasket, Body to Block.....	1
51	826 121 M91	Pulley Assembly, Fan.....	1
52	827 491 M1	Hub, Extension, Fan Pulley.....	1
53	825 181 M91	Fan Assembly.....	1
54	825 363 M1	Balance, Fan.....	x
55	184 930 M1	Belt, Fan.....	1
	830 895 M91	Repair Kit, Water Pump (Incl. all items marked "C").....	1
60	354 046 X1	Cotter Pin (3/32 x 1/2").....	x
61	365 936 X1	Screw (#10 - 24 Self-Tapping).....	x
62	353 678 X1	Bolt (5/16 x 7/8" NC, Hex.).....	x
63	353 679 X1	Bolt (5/16 x 1" NC, Hex.).....	x
64	353 532 X1	Bolt (5/16 x 2-5/8" NF, Hex.).....	x
65	353 446 X1	Washer (5/16" Lock).....	x
66	355 565 X1	Nut (5/16" NC, Hex.).....	x
67	354 267 X1	Bolt (3/8 x 2-1/4" NC, Hex.).....	x
68	375 201 X1	Washer (3/8" Lock).....	x
69	353 757 X1	Washer (7/16" Small Flat).....	x
70	353 432 X1	Washer (7/16" Lock).....	x
71	353 426 X1	Nut (7/16" NF, Hex.).....	x

Notes: (A) - For repairs order (1) 1885 489 M91 Partial Pump (1) 1884 273 M1 Connection and (1) 1881 807 M91 Hub (with Keyway).

(B) - Used only with 826 119 M91 Pump Assembly (no Keyway).

## THROTTLE, CHOKE, GOVERNOR





# THROTTLE, CHOKE, GOVERNOR

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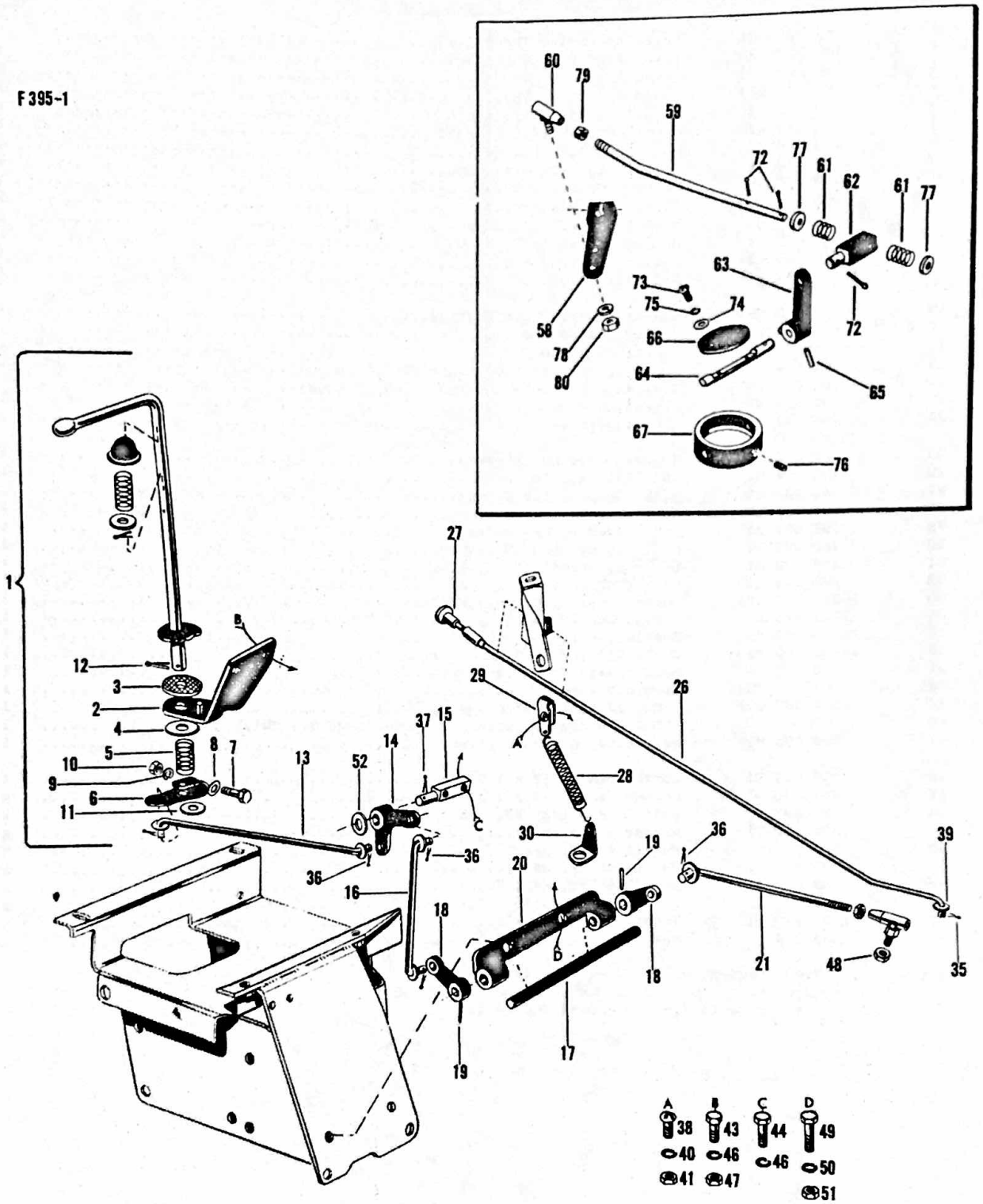
(GAS)

Ref. No.	Part No.	Description	No. Req.
1 (A)	186 825 M91	Lever Assembly, Throttle.....	1
1 (B)	182 389 M91	Lever Assembly, Throttle.....	1
1 (C)	180 675 M91	Lever Assembly, Throttle.....	1
2	180 711 M91	Plate Assembly, Throttle Lever.....	1
3	180 687 M1	Ball, Joint, Throttle Rod.....	1
4	354 041 X1	Cotter Pin (1/16 x 3/4").....	1
5	180 686 M1	Rod, Throttle Linkage.....	1
6	187 688 M1	Ball, Joint, Throttle Rod.....	1
7	180 713 M2	Washer, Center (29/64 x 2-1/2 x 1/8" Cork).....	1
8	180 724 M91	Plate Assembly, Friction.....	1
9	180 714 M1	Washer, Thrust (15/32 x 1-1/2 x 7/64").....	1
10	180 689 M1	Spring, Throttle Tension.....	1
11	180 710 M1	Clamp, Throttle Rod.....	1
12	180 703 M1	Rod, Throttle.....	1
16	193 302 M91	Rod Assembly, Choke Control.....	1
17	193 346 M1	Knob, Choke Rod.....	1
18	358 990 X1	Nut, Choke Rod.....	1
19	181 534 M2	Rod, Carbureter to Governor (9-5/8" Long).....	1
19	181 534 M1	Rod, Carbureter to Governor (9-3/8" Long).....	1
20	195 551 M1	Clevis, Governor Rod.....	1
21	354 187 X1	Pin, Clevis.....	1
25	181 536 M1	Rocker, Governor Linkage.....	1
26	181 537 M1	"U" Bolt, Rod to Rocker.....	1
27	181 533 M1	Link, Compensator Spring.....	1
28	181 535 M1	Spring, Compensator.....	1
29	181 567 M1	Rod, Governor Lever Arm.....	1
30	180 297 M1	Ball, Joint, Rod to Rocker.....	1
31	180 093 M1	Plunger, Throttle Contol.....	1
32	180 088 M1	Spring, Plunger to Lever.....	1
33	1 750 211 M91	Lever Assembly, Governor Shaft.....	1
34	11 943 X	Pin, Rocker Shaft (5/32 x 3/4" Groove).....	1
35	1 750 100 M1	Bearing, Needle.....	1
36	1 750 108 M1	Seal, Oil (7/16 x 1 x 3/8").....	1
37	1 750 103 M1	Seal, Dust (7/16 x 1 x 1/4" Felt).....	1
38	1 002 849 M91	Governor Assembly.....	1
39	1 002 867 M91	Cup Assembly, Governor, w/Shaft.....	1
40		Drive Assembly, Governor (Order 1002 849 M91).....	1
41	1 500 098 M1	Nut, Lock, Governor Drive.....	1
46	354 039 X1	Cotter Pin (1/16 x 1/2").....	x
47	354 046 X1	Cotter Pin (3/32 x 1/2").....	x
48	353 501 X1	Bolt (1/4 x 1/2" NF, Hex.).....	x
49	353 441 X1	Washer (1/4" Lock).....	x
50	354 121 X1	Nut (1/4" NC, Hex.).....	x
51	353 918 X1	Nut (1/4" NF, Hex.).....	x
52	353 919 X1	Nut (1/4" NC, Half Hex.).....	x
53	354 390 X1	Bolt (5/16 x 15/16" NF, Hex.).....	x
54	353 446 X1	Washer (5/16" Lock).....	x
55	353 916 X1	Nut (5/16" NF, Hex.).....	x

Notes: (A) - Used Tractor Serial Number 204 181 and up.  
 (B) - Used Tractor Serial Number 154 616 thru 204 180.  
 (C) - Used prior to Tractor Serial Number 154 616.

## THROTTLE, FUEL SHUT-OFF CONTROL

F 395-1



# THROTTLE, FUEL SHUT-OFF CONTROL

53

(STANDARD MOTORS DIESEL)

Ref. No.	Part No.	Description	No. Req.
1	826 992 M91	Throttle Assembly, Control Lever.....	1
2	826 998 M91	Bracket Assembly, Throttle Mounting.....	1
3	826 997 M1	Disc, Friction (13/32 x 1-1/2 x 3/16").....	1
4	827 001 M1	Washer (25/64 x 1-1/2 x 7/64").....	1
5	827 002 M1	Spring, Lever Tension.....	1
6	827 003 M1	Lever, Throttle Control.....	1
7	353 506 X1	Bolt, Lever Clamping (1/4 x 1-1/8" NF, Hex.).....	1
8	353 754 X1	Washer (1/4" Small Flat).....	1
9	353 441 X1	Washer (1/4" Lock).....	1
10	353 918 X1	Nut (1/4" NF, Hex.).....	1
11	353 756 X1	Washer (3/8" Small Flat).....	1
12	354 048 X1	Cotter Pin (3/32 x 3/4").....	2
13	827 005 M91	Link Assembly, Throttle Rod, Upper.....	1
14	827 008 M91	Lever Assembly, Bellcrank.....	1
15	827 011 M1	Pin, Pivot, Bellcrank.....	1
16	827 012 M91	Link Assembly, Throttle, Intermediate.....	1
17	827 016 M1	Shaft, Throttle, Cross.....	1
18	827 017 M1	Lever, Cross Shaft.....	2
19	375 202 X1	Pin, Cross Shaft Levers (1/8 x 3/4" Groove).....	2
20	827 015 M1	Bracket, Cross Shaft.....	1
21	826 152 M91	Rod Assembly, Throttle Link.....	1
26	827 594 M91	Rod Assembly, Fuel Shut-off Control.....	1
27	193 346 M1	Knob, Shut-off Rod.....	1
28	827 023 M1	Spring, Shut-off Rod Return.....	1
29	827 022 M1	Clip, Spring, Upper.....	1
30	827 024 M1	Clip, Spring, Lower.....	1
35	354 039 X1	Cotter Pin (1/16 x 1/2").....	x
36	354 041 X1	Cotter Pin (1/16 x 3/4").....	x
37	354 048 X1	Cotter Pin (3/32 x 3/4").....	x
38	355 732 X1	Screw (#10 x 3/8" NF, Rd. Hd.).....	x
39	353 753 X1	Washer (#10 Flat).....	x
40	353 445 X1	Washer (#10 Lock).....	x
41	358 990 X1	Nut (#10 NF, Hex.).....	x
	353 500 X1	Bolt (1/4 x 3/8" NF, Hex.).....	x
43	353 665 X1	Bolt (1/4 x 1/2" NC, Hex.).....	x
44	353 503 X1	Bolt (1/4 x 3/4" NF, Hex.).....	x
	353 754 X1	Washer (1/4" Small Flat).....	x
46	353 441 X1	Washer (1/4" Lock).....	x
47	353 564 X1	Nut (1/4" NC, Hex.).....	x
48	353 918 X1	Nut (1/4" NF, Hex.).....	x
49	353 518 X1	Bolt (5/16 x 7/8" NF, Hex.).....	x
50	353 446 X1	Washer (5/16" Lock).....	x
51	353 917 X1	Nut (5/16" NF, Half Hex.).....	x
52	353 756 X1	Washer (3/8" Small Flat).....	x

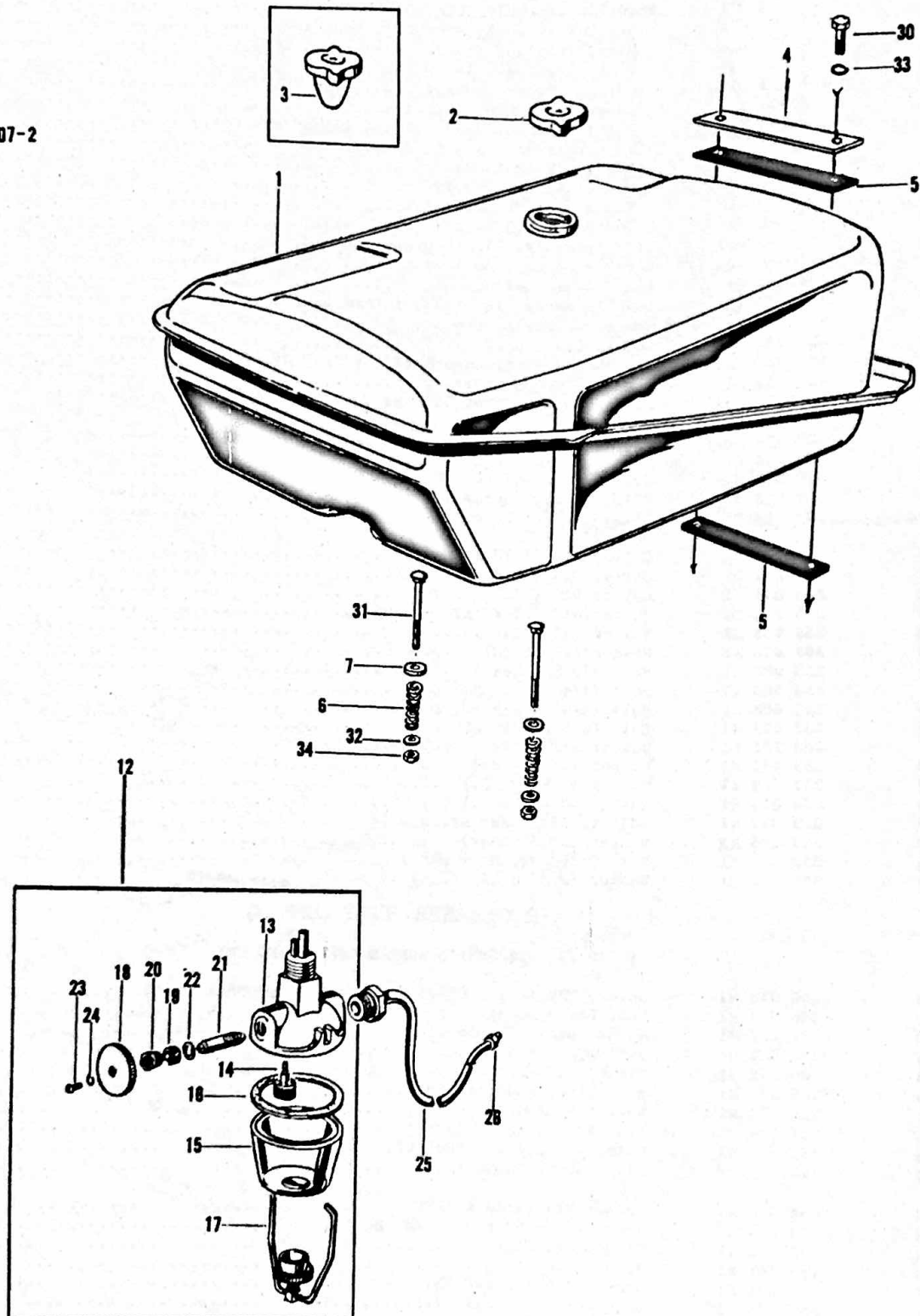
## AIR CLEANER SHUT-OFF

(USED TRACTOR SERIAL NUMBER 199774 AND UP)

58	186 914 M1	Lever, Throttle Control and Air Cleaner Shut-off.....	1
59	186 913 M1	Rod, Lever to Air Cleaner.....	1
60	180 297 M1	Joint, Ball, Rod to Lever.....	1
61	186 947 M1	Spring, Shut-off Rod.....	2
62	186 912 M1	Guide, Shut-off Rod.....	1
63	186 911 M1	Arm, Link, Shut-off Rod.....	1
64	186 910 M1	Shaft, Shut-off Disc.....	1
65	357 614 X1	Pin, Arm to Shaft (3/32 x 5/8" Roll).....	1
66	186 909 M1	Disc, Air Cleaner Shut-off.....	1
67	186 942 M1	Ring, Shaft Support.....	1
72	354 039 X1	Cotter Pin (1/16 x 1/2").....	x
73	358 679 X1	Screw (#6 - 32 x 3/8" Rd. Hd.).....	x
74	355 615 X1	Washer (#6 Flat).....	x
75	195 441 M1	Washer (#6 Lock).....	x
76	355 801 X1	Screw (#10 x 3/16" NF, Sckt. Hd.).....	x
77	353 754 X1	Washer (1/4" Small Flat).....	x
78	353 441 X1	Washer (1/4" Lock).....	x
79	353 919 X1	Nut (1/4" NF, Half Hex.).....	x
80	353 918 X1	Nut (1/4" NF, Hex.).....	x

## FUEL TANK, FUEL FILTER AND LINES

F307-2





# FUEL TANK, FUEL FILTER AND LINES

55

(GAS)

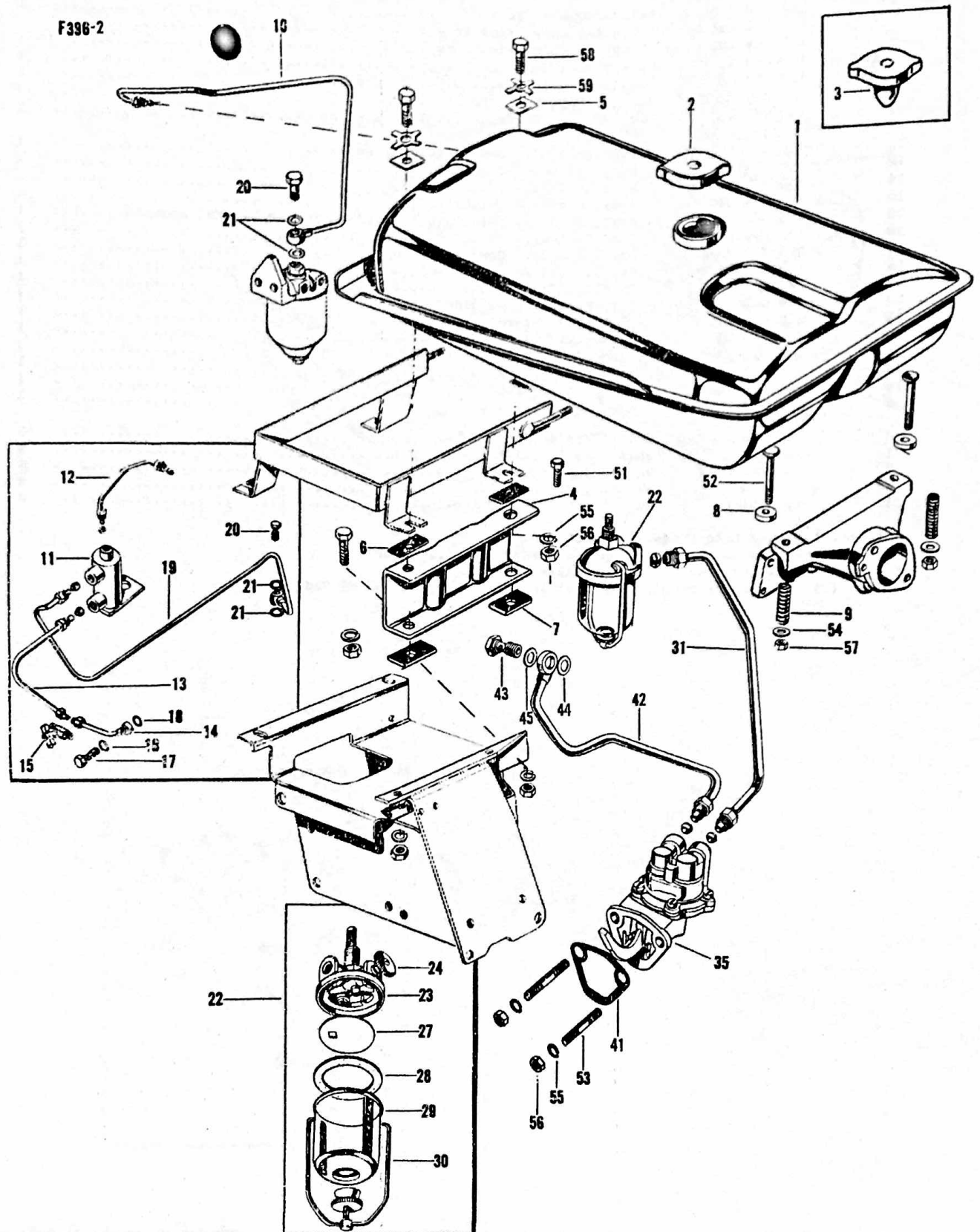
Ref. No.	Part No.	Description	No. Req.
1	189 209 M93	Tank Assembly, Fuel.....	1
2 (A)	520 948 M91	Cap Assembly, Fuel Tank.....	1
3 (B)	180 144 M91	Cap Assembly, Fuel Tank.....	1
4 (C)	180 082 M1	Strap, Fuel Tank.....	1
5	180 063 M1	Cushion, Fuel Tank.....	2
6	180 083 M1	Spring, Fuel Tank, Front Support.....	2
7	180 086 M2	Pad, Fuel Tank, Front (11/32 x 1 x 1/4" Rubber).....	2
12	180 141 M91	Filter Assembly, Fuel (Sediment Bowl).....	1
13	180 098 M1	Body, Filter.....	1
14	180 077 M1	Strainer, Fuel.....	1
15	1 001 514 M1	Bowl, Sediment (Glass).....	1
15	678 362 M1	Bowl, Sediment (Steel)(Not included in 180 141 M91 Assembly).....	1
16	180 060 M1	Gasket, Bowl.....	1
17	1 001 515 M91	Bail Assembly, Bowl Retaining.....	1
18	180 061 M1	Wheel, Fuel Valve Control.....	1
19	180 053 M1	Packing, Valve Stem.....	1
20	180 059 M1	Nut, Packing Retaining.....	1
21	180 074 M1	Stem, Fuel Valve.....	1
22	180 073 M1	Washer, Valve Stem.....	1
23	180 076 M1	Screw, Wheel to Stem (#6 - 32 x 1/4" Rd. Hd.).....	1
24	195 441 M1	Washer (#6 Lock).....	1
25	180 597 M91	Tube Assembly, Fuel.....	1
26	195 444 M1	Nut, Tube.....	2
30	353 678 X1	Bolt (5/16 x 7/8" NC, Hex.).....	x
31	353 804 X1	Bolt (5/16 x 2-3/4" NF, Carr.).....	x
32	353 755 X1	Washer (5/16" Small Flat).....	x
33	353 446 X1	Washer (5/16" Lock).....	x
34	195 454 M1	Nut (5/16" NF, Self-Locking).....	x

Notes: (A) - Used Late Production Machines.

(B) - Used Early Production Machines. For repairs order  
(1) 520 948 M91 Cap Assembly.

(C) - No longer required, for repairs order (1) 180 086 M2 Pad.

## FUEL TANK, FUEL FILTER



# FUEL TANK, FUEL FILTER

57

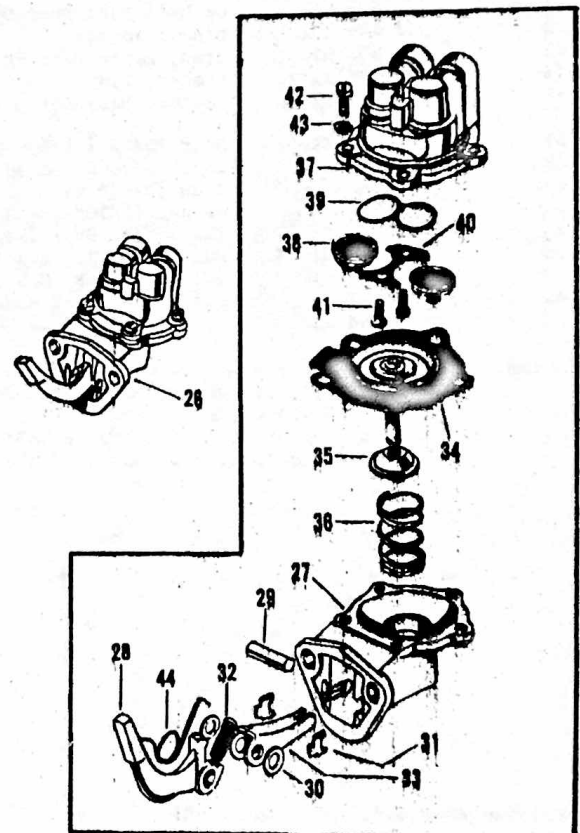
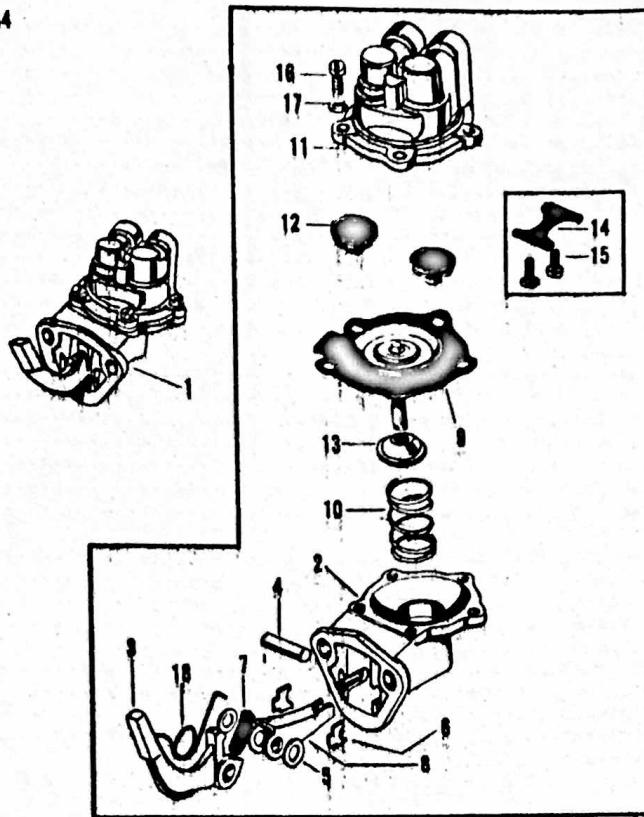
(STANDARD MOTORS DIESEL)

Ref. No.	Part No.	Description	No. Req.
1	890 054 M91	Tank Assembly, Fuel, Main.....	1
2 (A)	520 948 M91	Cap Assembly.....	1
3 (B)	180 144 M91	Cap Assembly.....	1
4	826 780 M91	Bracket Assembly, Support, Rear.....	1
5	826 783 M1	Pad, Rear Support (1 x 7/8 x 3/16" Rubber).....	2
6	826 785 M1	Pad, Rear Support (1-1/2 x 7/8 x 3/16" Rubber).....	2
7	826 784 M1	Plate, Rear Support (1-1/2 x 7/8 x 5/64" Steel).....	2
8	180 086 M1	Pad, Front Support.....	2
9	180 083 M1	Spring, Cushion, Fuel Tank, Front.....	2
10 (C)	829 178 M91	Line Assembly, Fuel Tank to Filter.....	1
11 (D)	188 466 M91	Tank Assembly, Fuel Reserve.....	1
12 (D)	893 360 M91	Pipe Assembly, Reserve Tank to Main Tank.....	1
13 (D)	185 556 M91	Line Assembly, Reserve Tank to Fuel Shut-off.....	1
14 (D)	185 558 M91	Line Assembly, Fuel Shut-off to Starting Aid.....	1
15 (D)	359 997 X91	Shut-off Assembly.....	1
	22 113 X	Nut, Shut-off Cock.....	2
	22 114 X	Sleeve, Shut-off Cock.....	2
17 (D)	827 315 M1	Stud, Banjo Fitting (to Starting Aid).....	1
18 (D)	827 316 M1	Washer, Banjo Fitting.....	2
19 (D)	827 223 M91	Pipe Assembly, Reserve Tank to Filter.....	1
20	827 096 M1	Stud, Banjo Fitting (to Filter).....	1
21	827 097 M1	Washer, Banjo Stud.....	2
22	827 318 M91	Filter Assembly, Fuel.....	1
23	827 043 M91	Cover Assembly, Filter.....	1
24	827 044 M91	Valve Assembly, Fuel Shut-off.....	1
	359 244 X1	Ring, Valve Sealing.....	1
	355 732 X1	Screw, Valve Stem.....	1
27	632 952 M1	Screen, Fuel Filter.....	1
28	1 004 496 M1	Gasket, Cover to Bowl.....	1
29	1 004 498 M1	Bowl, Sediment (Glass).....	1
29	702 279 M1	Bowl, Sediment (Steel) (Not part of 827 318 M91 Assembly).....	1
30	1 650 038 M1	Retainer Assembly, Sediment Bowl.....	1
31	827 885 M91	Pipe Assembly, Fuel Filter to Pump.....	1
35		Fuel Pump Assembly (See Page 59).....	1
41	829 606 M1	Gasket, Fuel Pump to Block.....	1
42	827 889 M91	Line Assembly, Fuel Pump to Secondary Filter.....	1
43	731 803 M1	Stud, Banjo Fitting.....	1
44	825 299 M1	Washer, Banjo Stud (Inner).....	1
45	825 293 M1	Washer, Banjo Stud (Outer).....	1
51	353 516 X1	Bolt (5/16 x 5/8" NF, Hex.).....	x
52	353 804 X1	Bolt (5/16 x 2-3/4" NF, Carr.).....	x
53	1 884 089 M1	Stud (5/16" NF).....	x
54	353 755 X1	Washer (5/16" Small Flat).....	x
55	353 446 X1	Washer (5/16" Lock).....	x
56	353 916 X1	Nut (5/16" NF, Hex.).....	x
57	195 454 M1	Nut (5/16" NF, Hex., w/Nylon Insert).....	x
58	826 787 M1	Bolt, Fuel Tank Rear Mounting.....	x
59	826 786 M1	Washer, Tab, Rear Mounting Bolt.....	x

- Notes: (A) - Used Late Production Machines.  
 (B) - Used Early Production Machines. For repairs order (1)  
 520 948 M91 Cap Assembly.  
 (C) - Used Tractor Serial Number 188 851 and up.  
 (D) - Used prior to Tractor Serial Number 188 851.

## FUEL PUMP

F 1544





# FUEL PUMP

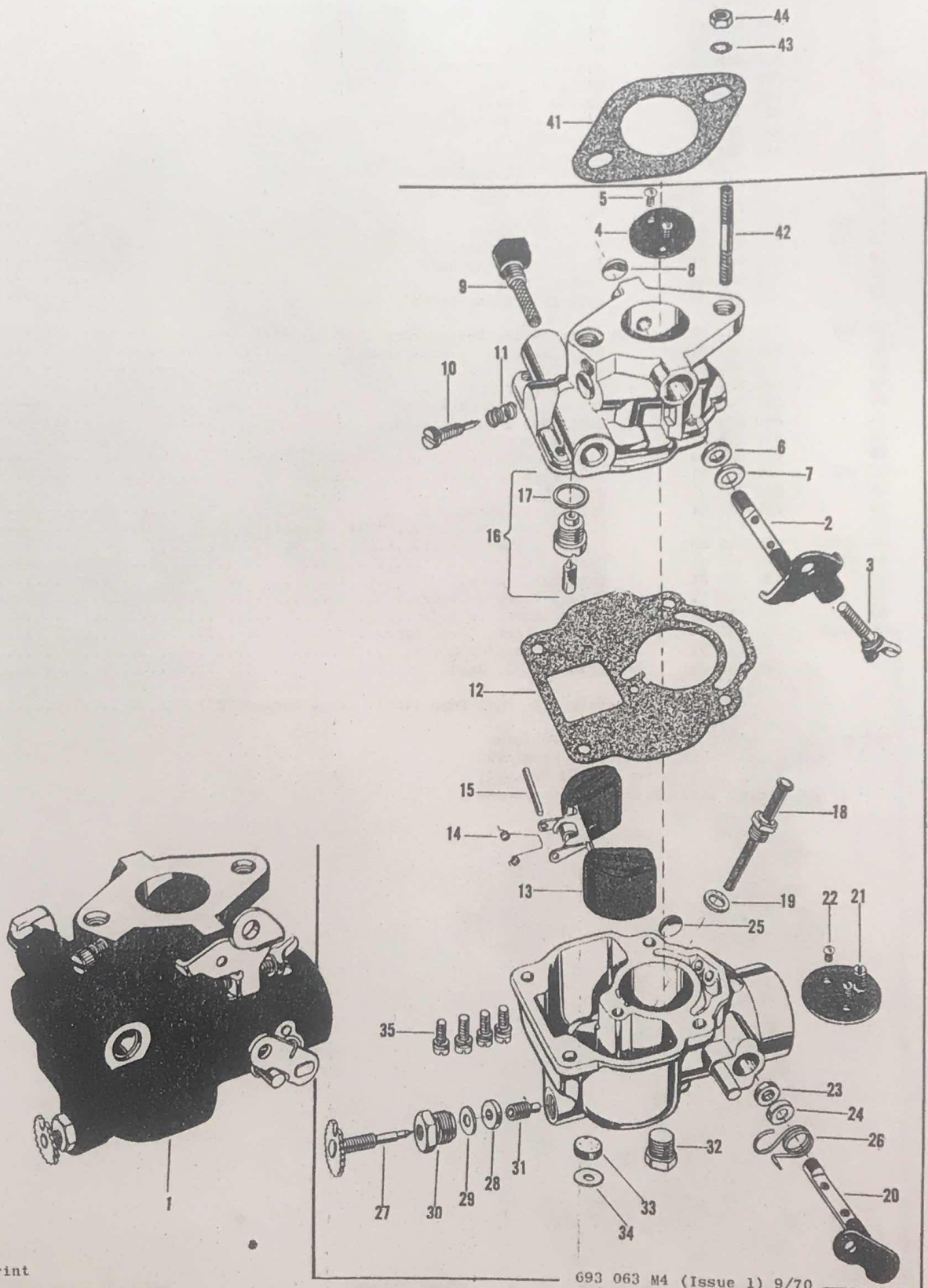
59

Ref. No.	Part No.	Description	No. Req.
1 (A)	1 884 857 M91	Pump Assembly, Fuel.....	1
2		Body Assembly (Order 1884 857 M91).....	1
3	1 850 820 M1	Arm, Rocker.....	1
4	1 850 827 M1	Pin, Rocker Arm.....	1
5	1 850 821 M1	Washer, Rocker Arm Pin.....	2
6	1 852 029 M1	Retainer, Rocker Arm.....	2
7	1 884 858 M1	Spring, Rocker Arm.....	1
8	827 545 M1	Link, Rocker Arm to Diaphragm.....	1
9	1 853 202 M1	Diaphragm.....	1
10	1 850 331 M1	Spring, Diaphragm.....	1
11		Cover, Fuel Pump (Order 1884 857 M91).....	1
12	827 699 M91	Valve Assembly, Fuel.....	2
13	1 850 821 M1	Seal, Oil.....	1
14 (D)	1 850 332 M1	Retainer, Valve.....	1
15 (D)	358 679 X1	Screw, Valve Retaining.....	2
16	1 884 740 M1	Screw, Cover to Body.....	5
17	353 445 X1	Washer, Lock.....	5
18	827 546 M1	Spring, Priming Lever.....	1
26 (B)	827 891 M91	Pump Assembly, Fuel (Order 1884 857 M91).....	1
27	1 850 824 M91	Body Assembly, w/Hand Primer.....	1
28	1 850 820 M1	Arm, Rocker.....	1
29	1 850 827 M1	Pin, Rocker Arm.....	1
30	827 542 M1	Washer, Rocker Arm Pin.....	2
31	1 850 828 M1	Retainer, Rocker Arm.....	2
32	827 543 M1	Spring, Rocker Arm.....	1
33	827 545 M1	Link, Rocker Arm to Diaphragm.....	1
34 (C)	1 896 152 M1	Diaphragm Assembly.....	1
35	1 850 821 M1	Seal, Oil.....	1
36	1 850 331 M1	Spring, Diaphragm.....	1
37		Cover, Fuel Pump (Order 1884 756 M91).....	1
38 (C)	827 699 M91	Valve Assembly, Fuel.....	2
39 (C)	1 850 333 M1	Gasket, Valve.....	1
40	1 850 332 M1	Retainer, Valve.....	1
41	358 679 X1	Screw, Valve Retainer.....	2
42	363 582 X1	Screw, Cover to Body.....	5
43	353 445 X1	Washer, Lock, Cover Screw.....	5
44	827 546 M1	Spring, Priming Lever.....	1
	1 850 825 M91	Priming Set, Hand.....	1
	830 896 M91	Repair Kit, Fuel Pump (Incl. items marked "C").....	x

Notes: (A) - Used Late Production Machines.  
 (B) - Used Early Production Machines.  
 For repairs order 1884 857 M91.  
 (D) - Used Early Production Machines.

## CARBURETER

F375-1



# CARBURETER

61

(GAS)

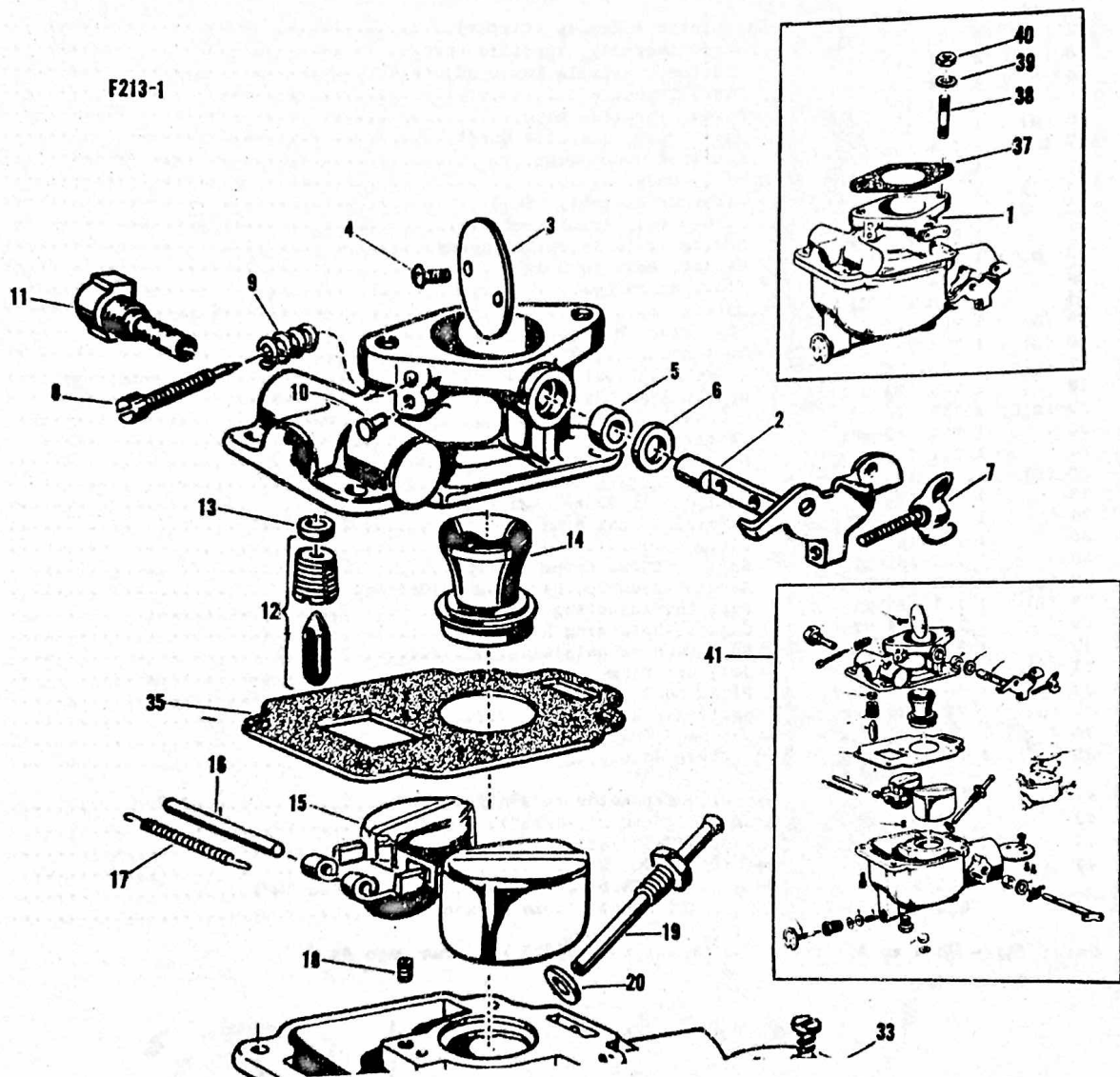
(USED TRACTOR SERIAL NUMBER 175 639 AND UP)

Ref. No.	Part No.	Description	No. Req.
1 (A)	184 458 M91	Carbureter Assembly (Carter).....	1
2	1 753 772 M91	Shaft Assembly, Throttle Lever.....	1
3	1 751 189 M1	Screw, Throttle Lever Adjusting.....	1
4	1 751 204 M1	Disc, Throttle.....	1
5	1 751 186 M1	Screw, Throttle Disc.....	2
6 (B)	1 751 190 M1	Seal, Dust, Throttle Shaft.....	1
7 (B)	1 751 185 M1	Retainer, Dust Seal.....	1
8	1 751 193 M1	Plug, Body.....	1
9 (B)	1 751 172 M91	Strainer Assembly, Fuel.....	1
10	1 751 168 M1	Screw, Idle Adjusting.....	1
11	1 751 180 M1	Spring, Idle Adjusting Screw.....	1
12 (B,C)	1 753 775 M1	Gasket, Bowl to Body.....	1
13	1 753 771 M91	Float Assembly.....	1
14	1 753 776 M1	Spring, Float.....	1
15 (B)	1 751 174 M1	Pin, Float Pivot.....	1
16 (B)	1 753 774 M91	Seat Assembly, Float Needle.....	1
17 (C)	1 753 778 M1	Gasket, Float Seat.....	1
18	1 753 773 M91	Nozzle Assembly, Fuel.....	1
19 (B,C)	1 751 188 M1	Gasket, Nozzle.....	1
20	1 751 169 M91	Shaft Assembly, Choke Lever.....	1
21	1 751 170 M91	Disc Assembly, Choke.....	1
22 (B)	1 751 186 M1	Screw, Choke Disc.....	2
23	1 751 190 M1	Seal, Dust, Choke Shaft.....	1
24	1 751 185 M1	Retainer, Dust Seal.....	1
25	1 751 193 M1	Plug, Bowl.....	1
26	1 751 167 M1	Spring, Choke Lever Return.....	1
27 (B)	1 751 178 M91	Needle Assembly, Hi-Speed Adjusting.....	1
28 (B)	1 751 175 M1	Packing, Adjusting Needle.....	1
29	1 751 176 M1	Gasket, Retaining Nut.....	1
30	1 751 192 M1	Nut, Packing Retaining.....	1
31 (B)	1 753 779 M1	Jet, Metering.....	1
32	1 751 179 M1	Plug, Bowl Drain.....	1
33 (B)	1 751 196 M1	Seal, Air Horn, Dust.....	1
34	1 751 185 M1	Retainer, Dust Seal.....	1
35	1 751 187 M91	Screw Assembly, Bowl to Body.....	1
41	181 531 M1	Gasket, Carbureter to Manifold.....	1
42	195 550 M1	Stud (5/16" NC x 1-3/16").....	2
43	195 549 M1	Washer (5/16" Int. Skpf.).....	2
44	355 565 X1	Nut (5/16" NC, Hex.).....	2
	835 538 M91	Repair Kit, Carbureter (Incl. Items Marked "B").....	x
	835 537 M91	Gasket Kit (Incl. Items Marked "C").....	x

Note: (A) - Used as Alternate Carbureter to 183 576 M91, see Page 69.

## CARBURETER

F213-1





# CARBURETER

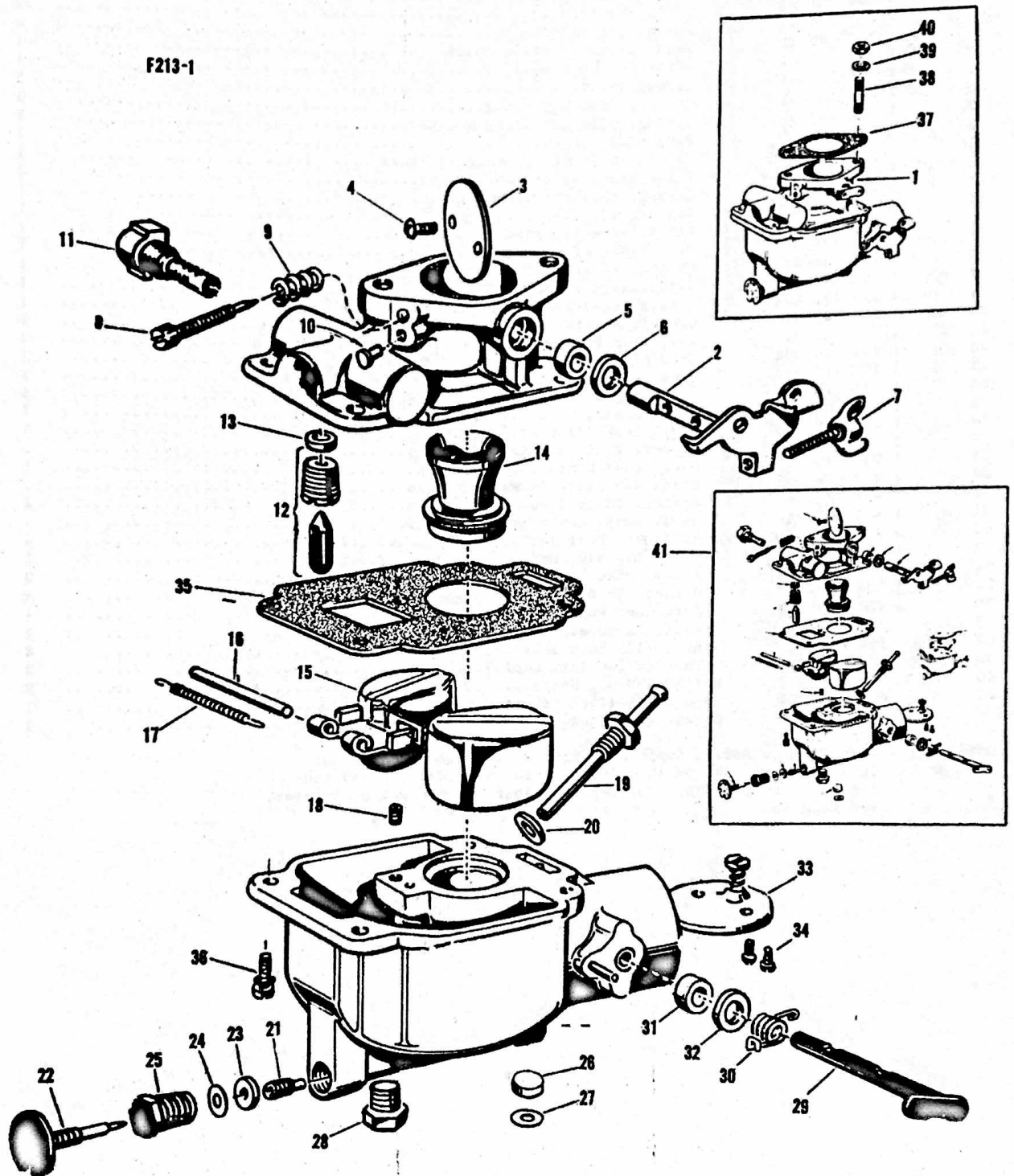
63

(GAS)

Ref. No.	Part No.	Description	No. Req.
1 (A)	182 748 M91	Carbureter (Carter)(See Note).....	1
2 (B)	1 751 181 M91	Shaft and Lever Assembly, Throttle.....	1
3	1 751 182 M1	Disc, Throttle.....	1
4 (B)	1 751 328 M1	Screw, Throttle Disc.....	1
5	1 751 190 M1	Seal, Dust, Throttle Shaft.....	2
6	1 751 185 M1	Retainer, Dust Seal.....	1
7	1 751 189 M1	Screw, Throttle Stop.....	1
8	1 751 168 M1	Needle, Idle Adjusting.....	1
9	1 751 180 M1	Spring, Idle Adjusting Needle.....	1
10 (B)	1 751 173 M1	Plug, Idle Passage.....	1
11	1 751 172 M91	Elbow and Strainer Assembly, Fuel.....	1
12 (B)	1 751 177 M91	Valve and Seat Assembly, Fuel.....	1
13 (C)	1 751 188 M1	Gasket, Fuel Valve Seat.....	1
14	1 751 183 M1	Venturi.....	1
15	1 751 171 M91	Float Assembly, Fuel.....	1
16 (B)	1 751 174 M1	Pin, Float Pivot.....	1
17	1 751 194 M1	Spring, Float.....	1
18 (B)	1 751 184 M1	Jet, Idling.....	1
19	1 752 417 M91	Nozzle Assembly, Fuel.....	1
20 (B)	1 751 188 M1	Gasket, Nozzle.....	1
21 (B)	1 751 410 M1	Jet, Main Fuel.....	1
22 (B)	1 751 178 M91	Needle Assembly, High Speed Adjusting.....	1
23 (B)	1 751 175 M1	Packing, Adjusting Needle.....	1
24	1 751 176 M1	Retainer, Packing.....	1
25	1 751 192 M1	Nut, Packing.....	1
26 (B)	1 751 196 M1	Seal, Leak-off Dust.....	1
27	1 751 185 M1	Washer, Dust Seal Retaining.....	1
28	1 751 179 M1	Plug, Fuel Drain.....	1
29	1 751 169 M91	Shaft and Lever Assembly, Choke.....	1
30	1 751 187 M1	Spring, Choke Return.....	1
31 (B)	1 751 190 M1	Seal, Dust, Choke Shaft.....	1
32 (B)	1 751 185 M1	Retainer, Dust Seal.....	1
33	1 751 170 M91	Disc Assembly, Choke.....	1
34	1 751 186 M1	Screw, Disc Attaching.....	2
35 (B,C)	1 751 165 M1	Gasket, Throttle Body to Bowl.....	1
36	1 751 187 M91	Screw and Washer Assembly.....	4
37 (C)	181 531 M1	Gasket, Carbureter to Manifold.....	1
38	195 550 M1	Stud (5/16" NC x 1-3/16").....	2
39	195 549 M1	Washer (5/16" Int. Skpf.).....	2
40	195 548 M1	Nut (5/16" NC, Hex.).....	2
41	830 717 M91	Repair Kit (Incl. Items Marked "B").....	1
	830 501 M91	Gasket Kit (Incl. Items Marked "C").....	1

Note: (A) - Used Tractor Serial Numbers (Single Clutch) 166 768 and up;  
(Dual Clutch) 167 258 thru 167 805, 168 319 thru 168 339 and  
168 505 thru 175 638. For repairs order 183 576 M91 Carbureter,  
See Page 69.

## CARBURETER



# CARBURETER

65

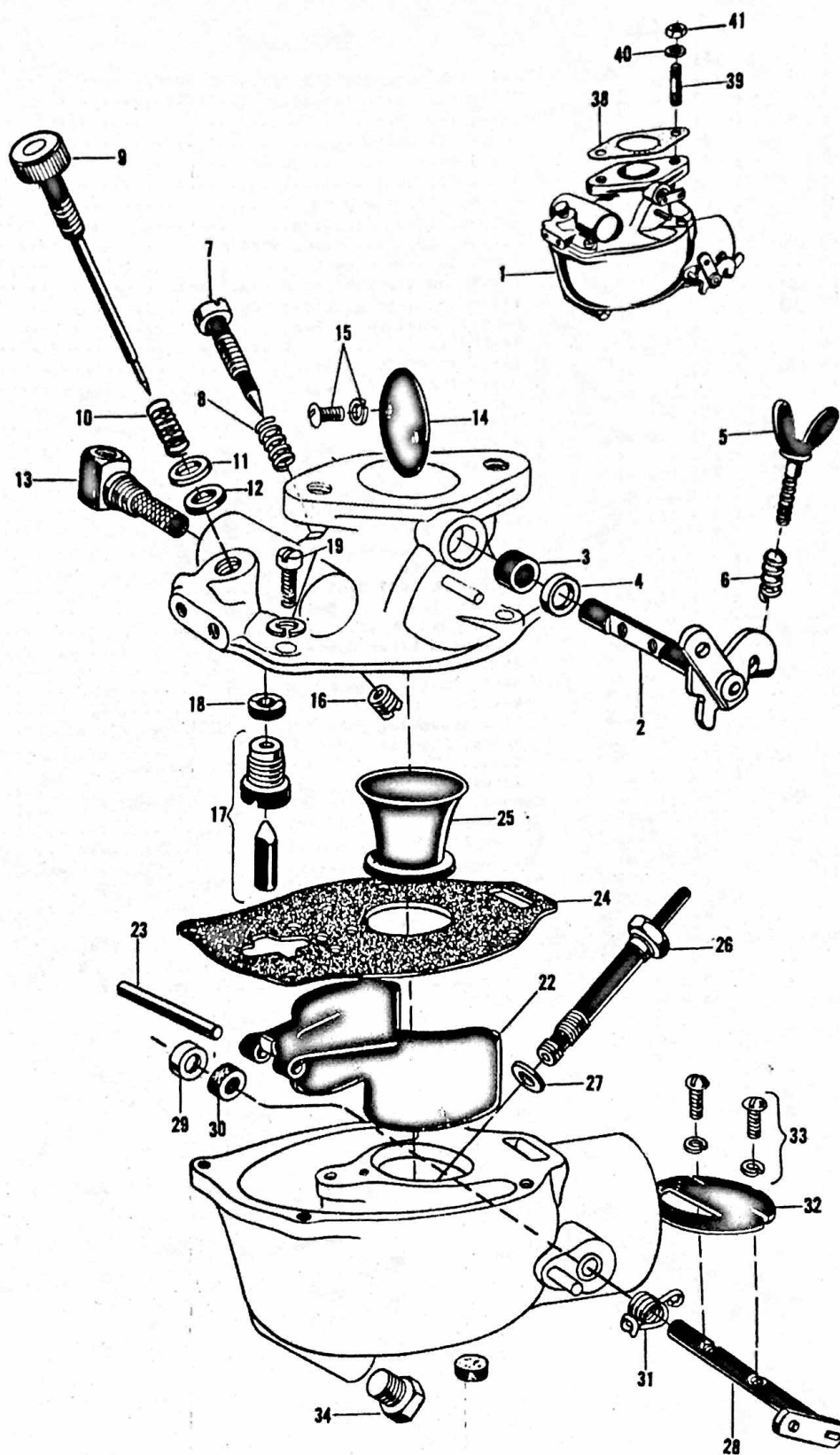
(GAS)

Ref. No.	Part No.	Description	No. Req.
1 (A)	181 578 M91	Carbureter Assembly (Carter)(See Note).....	1
2 (B)	1 751 181 M91	Shaft and Lever Assembly, Throttle.....	1
3	1 751 182 M1	Disc, Throttle.....	1
4 (B)	1 751 328 M1	Screw, Throttle Disc.....	2
5	1 751 190 M1	Seal, Dust, Throttle Shaft.....	1
6	1 751 185 M1	Retainer, Dust Seal.....	1
7	1 751 189 M1	Screw, Throttle Stop.....	1
8	1 751 168 M1	Needle, Idle Adjusting.....	1
9	1 751 180 M1	Spring, Idle Adjusting Needle.....	1
10 (B)	1 751 173 M1	Plug, Idle Passage.....	1
11	1 751 172 M91	Elbow and Strainer Assembly, Fuel.....	1
12 (B)	1 751 177 M91	Valve and Seat Assembly, Fuel.....	1
13 (C)	1 751 188 M1	Gasket, Fuel Valve Seat.....	1
14	1 751 183 M1	Venturi.....	1
15	1 751 171 M91	Float Assembly, Fuel.....	1
16 (B)	1 751 174 M1	Pin, Float Pivot.....	1
17	1 751 194 M1	Spring, Float.....	1
18 (B)	1 751 184 M1	Jet, Idling.....	1
19	1 751 166 M91	Nozzle Assembly, Fuel.....	1
20 (B)	1 751 188 M1	Gasket, Nozzle.....	1
21 (B)	1 751 195 M1	Jet, Main Fuel.....	1
22 (B)	1 751 178 M91	Needle Assembly, High Speed Adjusting.....	1
23 (B)	1 751 175 M1	Packing, Adjusting Needle.....	1
24	1 751 176 M1	Retainer, Packing.....	1
25	1 751 192 M1	Nut, Packing.....	1
26 (B)	1 751 196 M1	Seal, Leak-off Dust.....	1
27	1 751 185 M1	Washer, Dust Seal Retaining.....	1
28	1 751 179 M1	Plug, Fuel Drain.....	1
29	1 751 169 M91	Shaft and Lever Assembly, Choke.....	1
30	1 751 167 M1	Spring, Choke Return.....	1
31 (B)	1 751 190 M1	Seal, Dust, Choke Shaft.....	1
32 (B)	1 751 185 M1	Retainer, Dust Seal.....	1
33	1 751 170 M91	Disc Assembly, Choke.....	1
34	1 751 186 M1	Screw, Disc Attaching.....	2
35 (B,C)	1 751 165 M1	Gasket, Throttle Body to Bowl.....	1
36	1 751 187 M91	Screw and Washer Assembly.....	4
37 (C)	181 531 M1	Gasket, Carbureter to Manifold.....	1
38	195 550 M1	Stud (5/16" NC x 1-3/16").....	2
39	195 549 M1	Washer (5/16" Int. Skpf.).....	2
40	195 548 M1	Nut (5/16" NC, Hex.).....	2
41	830 502 M91	Repair Kit (Incl. Items Marked "B").....	1
	830 501 M91	Gasket Kit (Incl. Items Marked "C").....	1

Note: (A) - Used prior to Tractor Serial Numbers (Single Clutch) 166 768;  
(Dual Clutch) 167 258, also used 167 806 thru 168 318 and 168  
340 thru 168 504. For repairs order 183 576 M91 Carbureter  
Assembly, See Page 69.

## CARBURETER

F 295-1





# CARBURETER

67

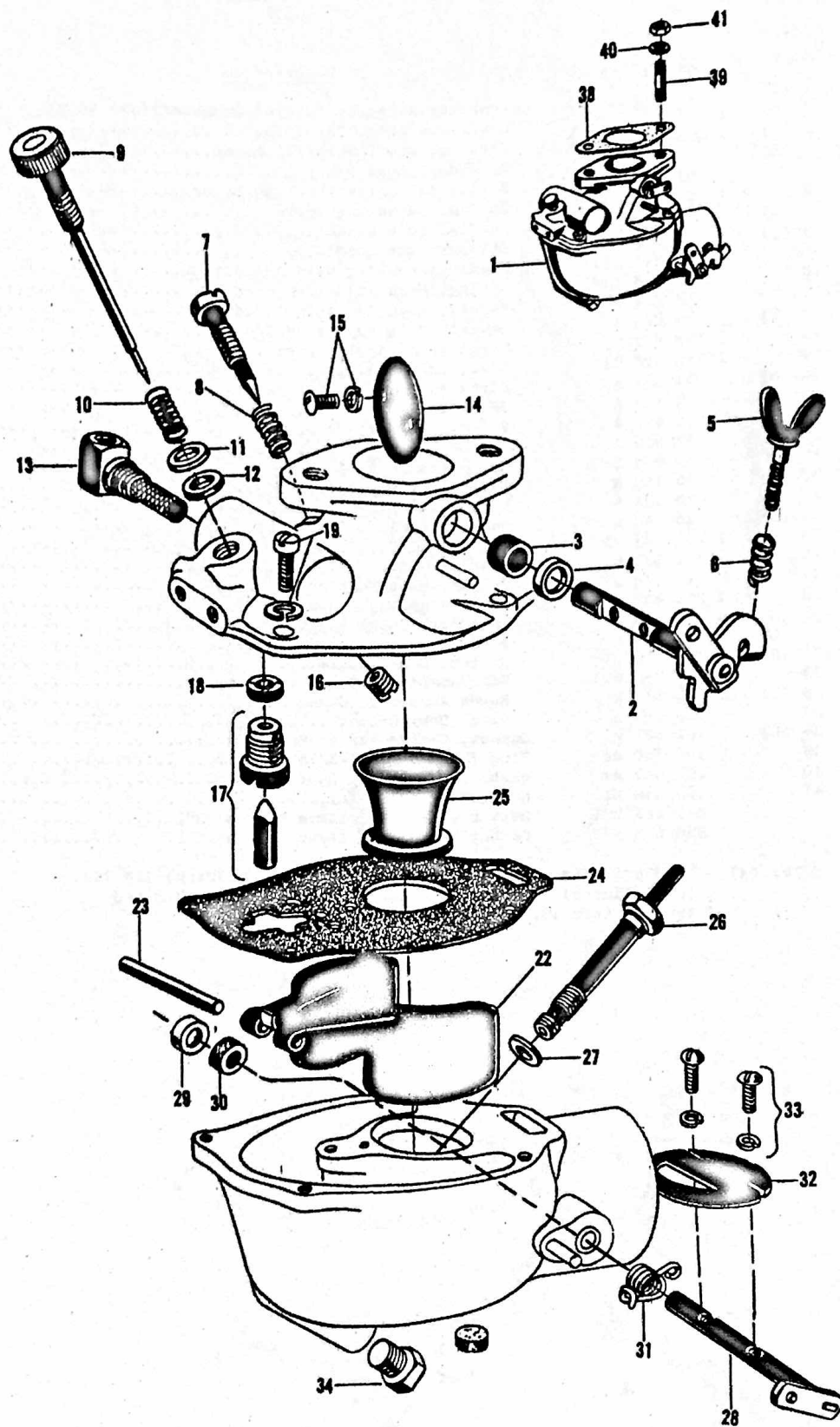
(GAS)

Ref. No.	Part No.	Description	No. Req.
1 (A)	181 532 M91	Carbureter Assembly (Marvel-Schebler)(See Note).....	1
2 (B)	1 751 207 M91	Lever Assembly, Throttle.....	1
3 (B)	1 505 306 M1	Packing, Dust, Throttle Lever.....	1
4 (B)	15 489 A	Retainer, Dust Packing.....	1
5	1 751 210 M1	Screw, Adjusting Throttle Lever.....	1
6	1 751 211 M1	Spring, Adjusting Screw.....	1
7 (B)	15 470 A	Needle, Idle Adjusting.....	1
8 (B)	15 471 A	Spring, Idle Needle.....	1
9	1 751 219 M91	Needle Assembly, Main Adjusting.....	1
10	15 472 A	Spring, Main Adjusting Needle.....	1
11	15 474 A	Washer, Main Adjusting Needle.....	1
12 (C)	15 473 A	Gasket, Main Adjusting Needle.....	1
13	1 751 212 M91	Strainer Assembly, Fuel.....	1
14	1 751 218 M1	Disc, Throttle.....	1
15 (B)	29 981 X	Screw Assembly, Throttle Disc.....	2
16 (B)	15 469 A	Jet, Idle.....	1
17 (B)	15 479 A	Valve Assembly.....	1
18 (C)	14 856 A	Gasket, Valve.....	1
19	29 980 X	Screw Assembly, Body to Bowl.....	4
22	15 480 A	Float Assembly.....	1
23 (B)	15 481 A	Pin, Float Hinge.....	1
24 (C)	15 462 A	Gasket, Bowl.....	1
25	1 751 223 M1	Venturi.....	1
26	1 751 222 M1	Nozzle, Main.....	1
27 (C)	14 846 A	Gasket, Main Nozzle.....	1
28	1 751 209 M91	Shaft Assembly, Choke.....	1
(B)	15 443 A	Retainer, Choke Shaft.....	1
(B)	15 442 A	Packing, Dust, Choke Shaft.....	1
31 (B)	1 751 208 M1	Spring, Choke Shaft.....	1
32	1 751 216 M91	Disc Assembly, Choke.....	1
33 (B)	29 981 X	Screw Assembly, Choke Disc.....	2
34	15 461 A	Plug, Bowl Drain.....	1
38 (C)	181 531 M1	Gasket, Carbureter to Manifold.....	1
39	195 550 M1	Stud (5/16" NC x 1-3/16").....	2
40	195 549 M1	Washer (5/16" Int. Skpf.).....	2
41	195 548 M1	Nut (5/16" NC, Hex.).....	2
	841 245 M91	Repair Kit (Incl. Items Marked "B").....	1
	830 503 M91	Gasket Kit (Incl. Items Marked "C").....	x

Note: (A) - Used prior to Tractor Serial Numbers (Single Clutch) 166 768;  
(Dual Clutch) 167 258, also used 167 806 thru 168 318 and  
168 340 thru 168 504.

## CARBURETER

F 285-1



# CARBURETER

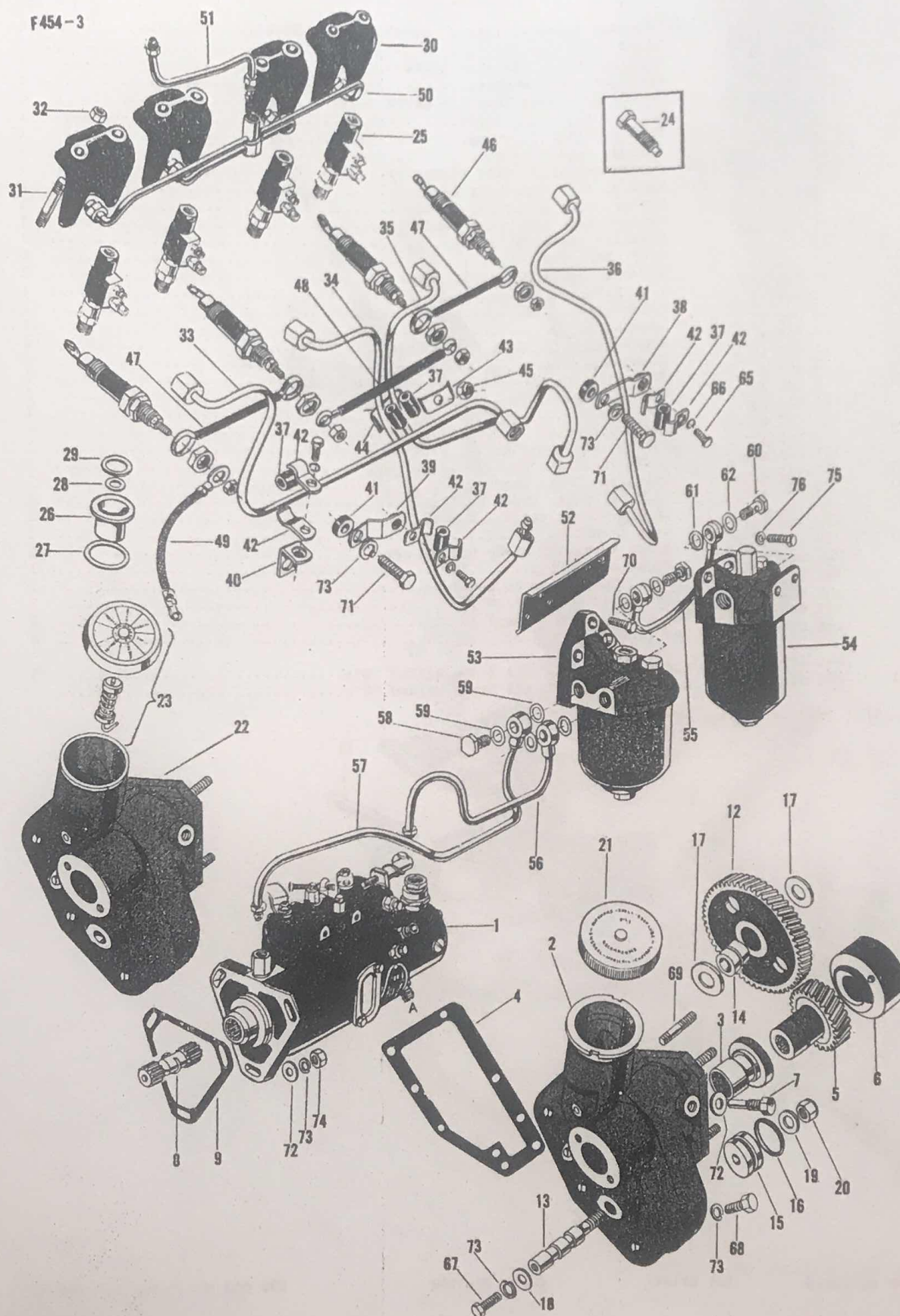
69

(GAS)

Ref. No.	Part No.	Description	No. Req.
1 (A)	183 576 M91	Carbureter Assembly (Marvel-Schebler)(See Note).....	1
2 (B)	1 751 207 M91	Lever Assembly, Throttle.....	1
3 (B)	1 505 306 M1	Packing, Dust, Throttle Lever.....	1
4 (B)	15 489 A	Retainer, Dust Packing.....	1
5	1 751 210 M1	Screw, Adjusting Throttle Lever.....	1
6	1 751 211 M1	Spring, Adjusting Screw.....	1
7 (B)	15 470 A	Needle, Idle Adjusting.....	1
8 (B)	15 471 A	Spring, Idle Needle.....	1
9	1 751 219 M91	Needle Assembly, Main Adjusting.....	1
10	15 472 A	Spring, Main Adjusting Needle.....	1
11	15 474 A	Washer, Main Adjusting Needle.....	1
12 (C)	15 473 A	Gasket, Main Adjusting Needle.....	1
13	1 751 212 M91	Strainer Assembly, Fuel.....	1
14	1 751 218 M1	Disc, Throttle.....	1
15 (B)	29 981 X	Screw Assembly, Throttle Disc.....	2
16 (B)	15 469 A	Jet, Idle.....	1
17 (B)	15 479 A	Valve Assembly.....	1
18 (C)	14 856 A	Gasket, Valve.....	1
19	29 980 X	Screw Assembly, Body to Bowl.....	4
22	15 480 A	Float Assembly.....	1
23 (B)	15 481 A	Pin, Float Hinge.....	1
24 (C)	15 462 A	Gasket, Bowl.....	1
25	1 751 223 M1	Venturi.....	1
26	1 751 222 M1	Nozzle, Main.....	1
27 (C)	14 846 A	Gasket, Main Nozzle.....	1
28	1 751 209 M91	Shaft Assembly, Choke.....	1
(B)	15 443 A	Retainer, Choke Shaft.....	1
(B)	15 442 A	Packing, Dust, Choke Shaft.....	1
31 (B)	1 751 208 M1	Spring, Choke Shaft.....	1
32	1 751 216 M91	Disc Assembly, Choke.....	1
33 (B)	29 981 X	Screw Assembly, Choke Disc.....	2
34	366 368 X1	Plug, Bowl Drain.....	1
38	181 531 M1	Gasket, Carbureter to Manifold.....	1
39	195 550 M1	Stud (5/16" NC x 1-3/16").....	2
40	195 549 M1	Washer (5/16" Int. Skpf.).....	2
41	195 548 M1	Nut (5/16" NC, Hex.).....	2
	841 245 M91	Repair Kit (Incl. all Items Marked "B").....	1
(B)	836 611 M91	Gasket Kit (Incl. all Items Marked "C").....	

Note: (A) - Used as Alternate to 184 458 M91.

## INJECTION PUMP AND DRIVE, FUEL FILTERS AND LINES





# INJECTION PUMP AND DRIVE, FUEL FILTERS AND LINES

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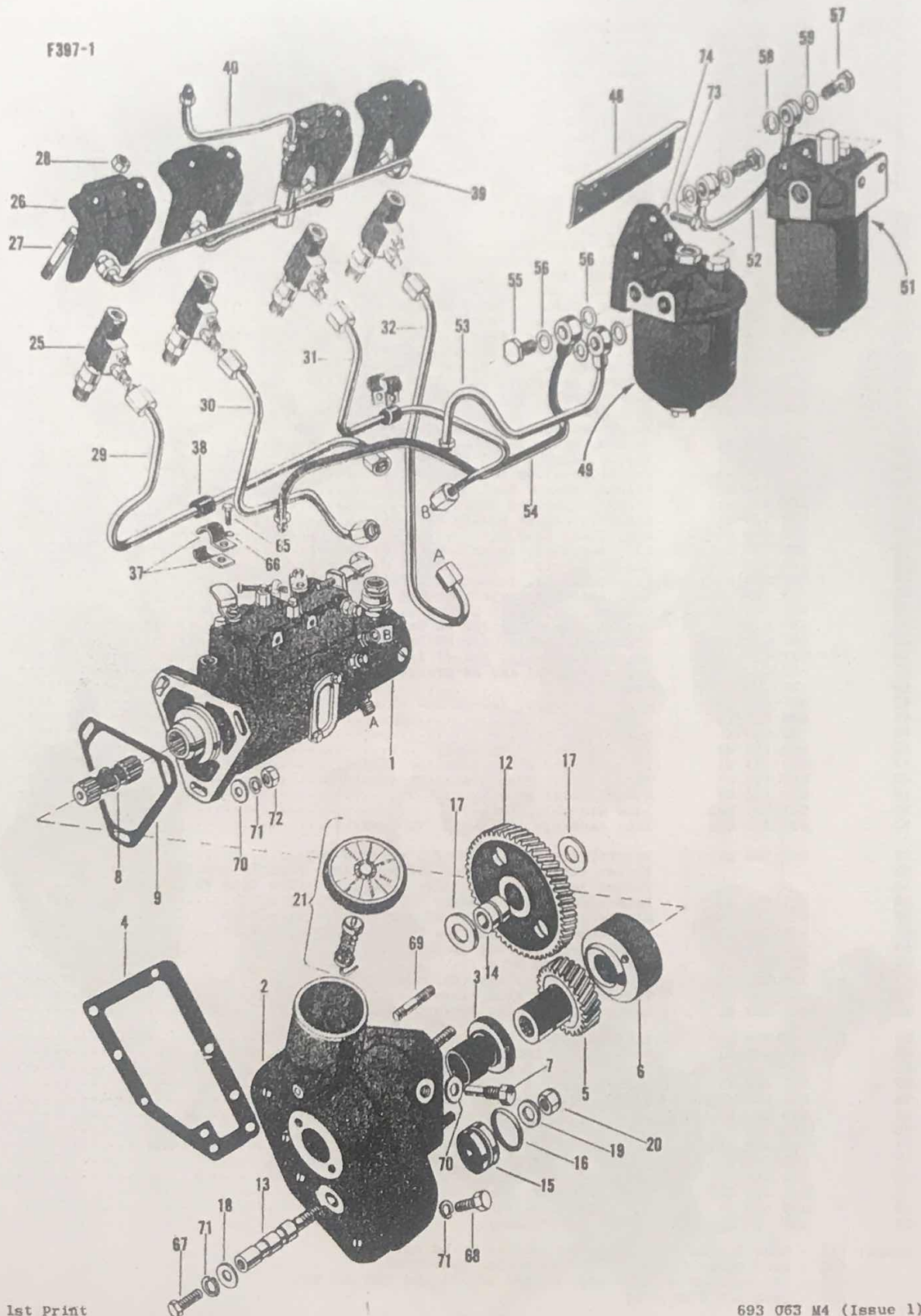
(STANDARD MOTORS DIESEL)

(USED TRACTOR SERIAL NUMBER 188 851 AND UP)

Ref. No.	Part No.	Description	No. Req.
1		Pump Assembly, Injection (See Page 79 & 81).....	1
2 (A)	827 766 M92	Housing Assembly, Injection Pump Drive.....	1
3	826 104 M1	Bushing, Drive Gear Shaft.....	1
4	1 884 131 M1	Gasket, Housing to Block (.006" Paper).....	x
4 (C)	827 797 M1	Gasket, Housing to Block (.012" Paper).....	x
4	828 208 M1	Shim, Housing to Block (.005" Steel).....	x
4	828 209 M1	Shim, Housing to Block (.010" Steel).....	x
5	826 105 M1	Gear, Pump Drive.....	1
6	826 106 M1	Adapter, Drive Gear.....	1
7	826 107 M1	Screw, Lock, Adapter.....	1
8	826 151 M1	Ring, Snap, Injection Pump Drive Retaining.....	1
9	1 884 130 M1	Gasket, Housing to Pump.....	x
12	828 201 M1	Pin, Pump Locating.....	1
13	826 101 M1	Gear, Idler.....	1
14	826 097 M1	Shaft, Idler Gear.....	1
15	826 100 M1	Bushing, Idler Gear.....	1
16	826 098 M1	Bearing, Shaft.....	1
17	196 027 M1	"O" Ring, Bearing.....	1
18	826 099 M1	Washer, Thrust, Idler Shaft.....	2
19	826 103 M1	Washer, Copper (Front).....	1
20	826 125 M1	Washer, Copper (Rear).....	1
21 (A)	195 663 M1	Nut, Idler Shaft (w/Nylon Insert).....	1
22 (B)	828 902 M91	Cap Assembly, Oil Filter.....	1
23 (B)	827 766 M92	Housing Assembly, Injection Pump Drive.....	1
24 (D)	825 988 M91	Cap Assembly, Oil Filter.....	1
25	1 860 818 M1	Plug, Head.....	1
26		Nozzle Assembly, Fuel Injector (See Page 77).....	4
27	829 205 M1	Shield, Heat, Injector Nozzle.....	4
28	829 206 M1	Washer, Heat Shield (Copper).....	4
29	829 204 M1	Washer, Sealing (Corrugated).....	4
30	826 218 M1	Washer, Nozzle Seat.....	4
31	826 219 M1	Clamp, Injection Nozzle.....	4
32	826 166 M1	Stud, Injection Nozzle Clamp.....	8
33	826 220 M1	Nut, Clamp Stud.....	8
34	829 165 M91	Line Assembly, Injection (#1 Cylinder).....	1
35	829 166 M91	Line Assembly, Injection (#2 Cylinder).....	1
36	1 881 350 M91	Line Assembly, Injection (#3 Cylinder).....	1
37	829 168 M91	Line Assembly, Injection (#4 Cylinder).....	1
38	827 495 M1	Grommet, Injection Lines.....	5
39	827 500 M91	Bracket Assembly, for #4 Injection Line.....	1
40	827 498 M91	Bracket Assembly, for #2 Injection Line.....	1
41	827 497 M91	Bracket Assembly, for #1 Injection Line.....	1
42	827 838 M1	Spacer, for #4 and #2 Brackets.....	2
43	827 494 M2	Clip, Lines.....	6
44	829 427 M91	Clamp Assembly, for #2 and #3 Lines.....	1
45	829 427 M91	Clip, Lower.....	1
46	22 666 X	Nut, Clamp.....	1
47	829 162 M1	Heater, Fuel (Glow Plug).....	4
48	829 147 M1	Wire, Heater Plug Connector (Ends).....	2
49	829 148 M1	Wire, Heater Plug Connector (Center).....	1
50	829 149 M1	Wire, Heater Plug Ground.....	1
51	827 257 M92	Line Assembly, Leak-off.....	1
52	827 290 M92	Line Assembly, Lead-off (to Tank).....	1
53		Bracket Assembly, Fuel Filter Mounting.....	1
54		Filter Assembly, Primary (C.A.V.)(See Page 75 and 77).....	1
55		Filter Assembly, Secondary (Purolator)(See Page 75 and 77).....	1
56	827 609 M91	Line Assembly, Secondary to Primary Filter.....	1
57	827 278 M91	Line Assembly, Primary Filter to Injection Pump.....	1
58	827 282 M91	Line Assembly, Injection Pump to Primary Filter.....	1
59	827 099 M1	Stud, Banjo Fitting (Primary Filter).....	3
60	827 100 M1	Washer, Banjo Stud.....	6
61	731 803 M1	Stud, Banjo Fitting (Secondary Filter).....	1
62	825 299 M1	Washer, Banjo Stud (Inner).....	1
63	825 293 M1	Washer, Banjo Stud (Outer).....	1
65	827 200 M1	Bolt (#10 Hex. Hd.).....	x
66	353 445 X1	Washer (#10 Lock).....	x
67	353 516 X1	Bolt (5/16 x 5/8" NF, Hex.).....	x
68	353 679 X1	Bolt (5/16 x 1" NC, Hex.).....	x
69	1 884 090 M1	Stud (5/16" NC-NF).....	x
70	826 109 M1	Stud, Injection Pump to Drive Housing.....	x
71	353 518 X1	Bolt (5/16 x 7/8" NF, Hex.).....	x
72	353 680 X1	Bolt (5/16 x 1-1/8" NF, Hex.).....	x
73	353 755 X1	Washer (5/16" Small Flat).....	x
74	353 446 X1	Washer (5/16" Lock).....	x
75	353 916 X1	Nut (5/16" NF, Hex.).....	x
76	353 540 X1	Bolt (3/8 x 1-1/4" NF, Hex.).....	x
77	353 434 X1	Washer (3/8" Lock).....	x

Notes: (A) - Used Engine Serial Number SJ100805E and up.  
 (B) - Used prior to Engine Serial Number SJ100805E.  
 (C) - For repairs order 1 each of 828 209 M1 and 828 208 M1.  
 (D) - Used w/o Glow Plug.

## INJECTION PUMP AND DRIVE, FUEL FILTERS AND LINES



## INJECTION PUMP AND DRIVE, FUEL FILTERS AND LINES

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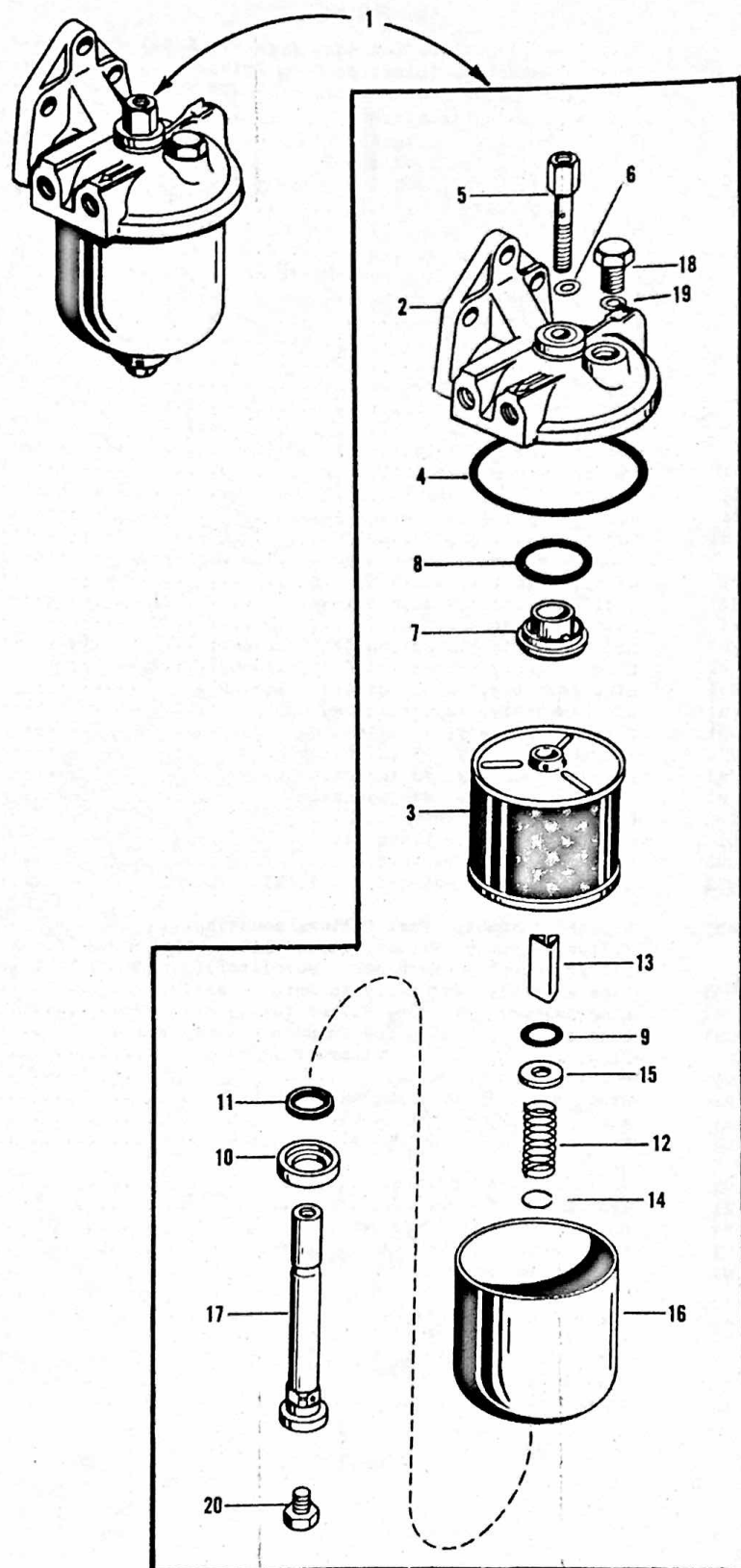
(STANDARD MOTORS DIESEL)

(USED PRIOR TO TRACTOR SERIAL NUMBER 188 851)

Ref. No.	Part No.	Description	No. Req.
1		Pump Assembly, Injection (See Page 79 & 81).....	1
2	827 766 M91	Housing Assembly, Injection Pump Drive.....	1
3	826 104 M1	Bushing, Drive Gear Shaft (Order 827 766 M91).....	1
4	1 884 131 M1	Gasket, Housing to Block (.006" Paper).....	x
4	827 797 M1	Gasket, Housing to Block (.012" Paper).....	x
4	828 208 M1	Shim, Housing to Block (.005" Steel).....	x
4	828 209 M1	Shim, Housing to Block (.010" Steel).....	x
5	826 105 M1	Gear, Pump Drive.....	1
6	826 106 M1	Adapter, Drive Gear.....	1
7	826 107 M1	Screw, Lock, Adapter.....	1
8	826 151 M1	Ring, Snap, Injection Pump Drive Retaining.....	1
9	1 884 130 M1	Gasket, Housing to Pump.....	x
	828 201 M1	Pin, Pump Locating.....	1
12	826 101 M1	Gear, Idler.....	1
13	826 097 M1	Shaft, Idler Gear.....	1
14	826 100 M1	Bushing, Idler Gear.....	1
15	826 098 M1	Bearing, Shaft.....	1
16	196 027 M1	"O" Ring, Bearing.....	1
17	826 099 M1	Washer, Thrust, Idler Shaft.....	2
18	826 103 M1	Washer, Copper (Front).....	1
19	826 125 M1	Washer, Copper (Rear).....	1
20	195 663 M1	Nut, Idler Shaft (w/Nylon Insert).....	1
21	825 398 M91	Cap Assembly, Oil Filler.....	1
25		Nozzle Assembly, Fuel Injector (See Page 77).....	4
26	826 219 M1	Clamp, Injector Nozzle.....	4
27	826 186 M1	Stud, Injection Nozzle Clamp.....	8
28	826 220 M1	Nut, Clamp Stud.....	1
29	826 222 M91	Line Assembly, Injection (#1 Cylinder).....	1
30	826 223 M91	Line Assembly, Injection (#2 Cylinder).....	1
31	826 224 M91	Line Assembly, Injection (#3 Cylinder).....	1
32	826 225 M91	Line Assembly, Injection (#4 Cylinder).....	1
	827 497 M91	Bracket Assembly, #1 Injection Line.....	1
	827 498 M91	Bracket Assembly, #2 Injection Line.....	1
	829 427 M91	Bracket Assembly, #3 Injection Line.....	1
	827 500 M91	Bracket Assembly, #4 Injection Line.....	1
37	827 494 M1	Clip, Injector Lines.....	7
38	827 495 M1	Grommet, Injector Lines.....	4
39	827 257 M92	Line Assembly, Leak-off.....	1
40	827 290 M92	Line Assembly, Leak-off (to Tank).....	1
48	827 794 M91	Bracket Assembly, Fuel Filters Mounting.....	1
49		Filter Assembly, Primary (C.A.V.)(See Pages 75 & 77).....	1
51		Filter Assembly, Secondary (Purolator)(See Pages 75 & 77).....	1
52	827 609 M91	Line Assembly, Secondary to Primary Filter.....	1
53	827 278 M91	Line Assembly, Primary Filter to Injection Pump.....	1
54	827 282 M91	Line Assembly, Injection Pump to Primary Filter.....	1
55	827 099 M1	Stud, Banjo Fitting (Primary Filter).....	3
56	827 100 M1	Washer, Banjo Stud.....	6
57	731 803 M1	Stud, Banjo Fitting (Secondary Filter).....	1
58	825 291 M1	Washer, Banjo Stud (Inner).....	1
59	825 293 M1	Washer, Banjo Stud (Outer).....	1
65	827 200 M1	Bolt (#10 Hex. Hd.).....	x
66	353 445 X1	Washer (#10 Lock).....	x
67	353 516 X1	Bolt (5/16 x 5/8" NF, Hex.).....	x
68	353 679 X1	Bolt (5/16 x 1" NC, Hex.).....	x
68	1 884 090 M1	Stud (5/16" NC-NF).....	x
69	826 109 M1	Stud, Injection Pump to Drive Housing.....	x
70	353 755 X1	Washer (5/16" Small Flat).....	x
71	353 446 X1	Washer (5/16" Lock).....	x
72	353 916 X1	Nut (5/16" NF, Hex.).....	x
73	353 540 X1	Bolt (3/8 x 1-1/4" NF, Hex.).....	x
74	353 434 X1	Washer (3/8" Lock).....	x

## FUEL FILTER

F1545





# FUEL FILTER

75

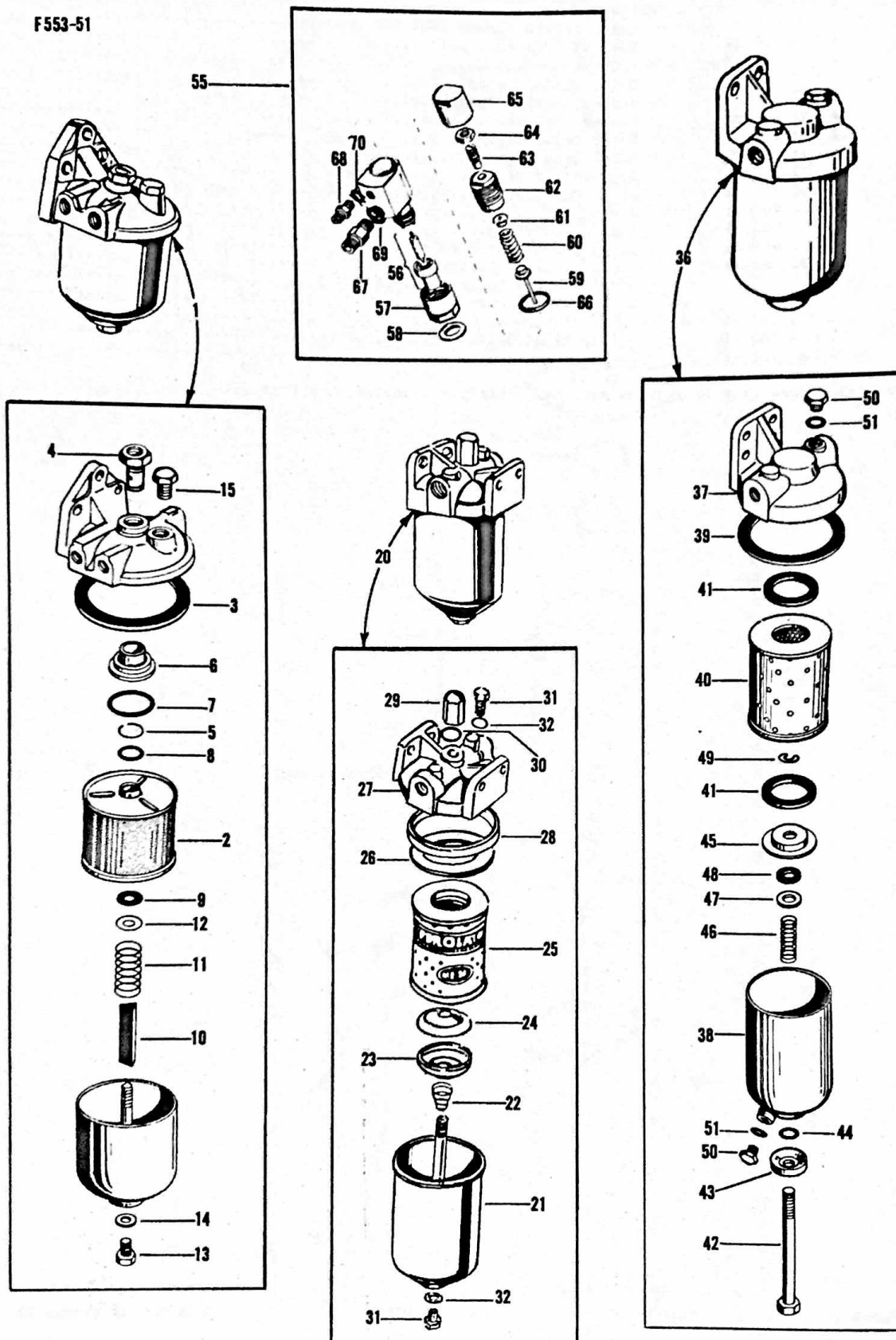
(STANDARD MOTORS DIESEL)

Ref. No.	Part No.	Description	No. Req.
1 (A)	1 852 087 M91	Filter Assembly, Primary (C.A.V.).....	1
2		Head, Filter (Order 1852 087 M91).....	1
3	1 012 006 M2	Element, Filter.....	1
4	1 015 221 M1	Gasket.....	1
5	1 018 123 M1	Bolt, Filter Cover.....	1
6	1 851 908 M1	Washer, Filter Cover, Bolt.....	1
7	1 851 895 M1	Collar, Filter.....	1
8	1 015 225 M1	Seal, Collar.....	1
9	1 851 896 M1	Ring, Snap.....	1
10	1 851 899 M1	Cup, Filter Base.....	1
11	1 851 900 M1	Ring, Cup Base Sealing.....	1
12	1 851 901 M1	Spring.....	1
13	1 851 905 M1	Sleeve, Locating.....	1
14	1 851 906 M1	Ring, Snap, Center Bolt.....	1
15	1 024 393 M1	Washer, Spring Locating.....	1
16		Body Assembly (Order 1852 087 M91).....	1
17	1 024 388 M1	Bolt, Filter Center.....	1
18	1 851 902 M1	Bolt, Vent.....	1
19	1 851 889 M1	Washer, Vent Bolt.....	1
20	1 851 904 M1	Plug, Vent.....	1

Note: (A) - Used Late Production Machines - Early Production, See Page 77.

## FUEL FILTER

F553-51



# FUEL FILTER

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(STANDARD MOTORS DIESEL)

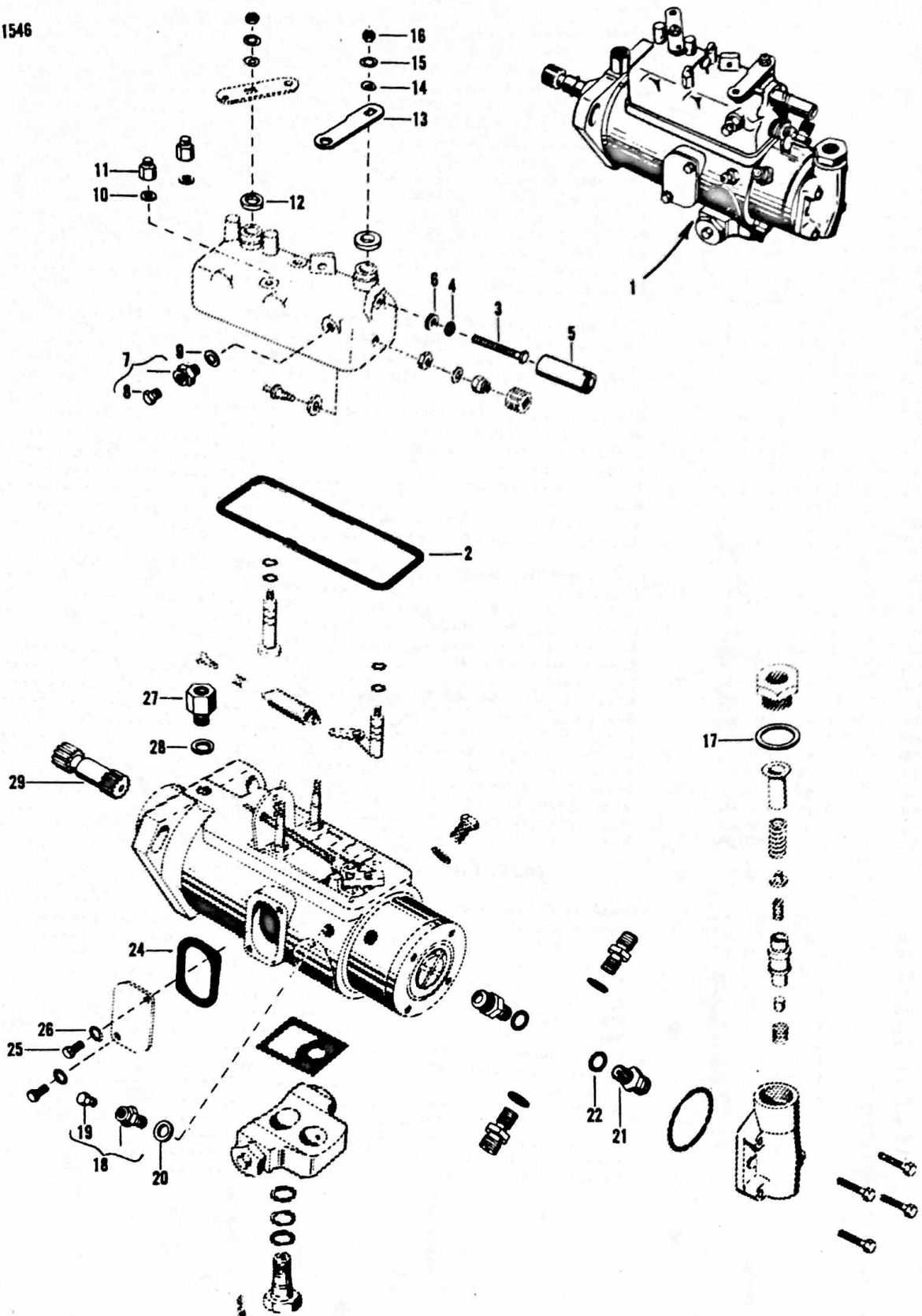
Ref. No.	Part No.	Description	No. Req.
1	827 038 M91	Filter Assembly, Primary (C.A.V.)(Order 1852 087 M91).....	1
2	1 012 006 M1	Element, Fuel Filter.....	1
3	1 015 221 M1	Gasket, Head to Body.....	1
4	1 015 222 M1	Nut, Cover Retaining.....	1
5	1 015 224 M1	Ring, Snap, Nut Retaining.....	1
6	1 015 223 M1	Collar, Element Hold Down.....	1
7	1 015 225 M1	"O" Ring, Collar.....	1
8	1 015 226 M1	"O" Ring, Element Sealing, Upper.....	1
9	1 024 396 M1	"O" Ring, Element Sealing, Lower.....	1
10	1 015 227 M1	Sleeve, Element Centering.....	1
11	1 015 233 M1	Spring, Element Tension.....	1
12	1 015 229 M1	Washer, Spring.....	1
13	1 015 230 M1	Plug, Drain, Filter.....	1
14	1 024 375 M1	Washer, Drain Plug.....	1
15	1 015 232 M1	Plug, Filter Cover.....	1
20	1 850 252 M91	Filter Assembly, Secondary (Alternative w/890 971 M91).....	1
21	1 850 454 M91	Body Assembly, Filter Sump.....	1
22	1 850 453 M1	Spring, Filter.....	1
23	1 850 452 M1	Plate, Seal and Filter Support.....	1
24	1 850 451 M91	Seal, Filter, Lower.....	1
25	1 850 450 M1	Element, Fuel Filter (Incl. Item 28).....	1
26	1 850 449 M1	Seal, Filter, Upper.....	1
27	1 850 448 M1	Head, Filter.....	1
28	827 446 M1	Gasket, Head to Body.....	1
29	1 850 444 M1	Nut, Head Retaining.....	1
30	1 850 445 M1	Washer, Nut.....	2
31	1 650 192 M1	Vent, Filter Bleed and Drain.....	2
32	1 650 193 M1	Washer, Vent and Drain Plug.....	1
36	890 971 M91	Filter Assembly, Secondary (Alternative w/1850 252 M91).....	1
37	1 851 842 M1	Head, Filter.....	1
38	1 850 931 M91	Body Assembly, Filter.....	1
39	1 850 933 M1	Gasket, Body to Head.....	1
40	1 850 450 M1	Element, Filter.....	2
41	1 850 934 M1	Gasket, Element Ends.....	1
42	1 850 935 M1	Bolt, Center.....	1
43	1 851 843 M1	Retainer, Oil Seal.....	1
44	1 015 319 M1	Seal, Oil, Body.....	1
45	1 850 932 M1	Plate, Element, Lower.....	1
46	827 458 M1	Spring, Tension, Element.....	1
47	827 455 M1	Washer, Spring.....	1
48	827 454 M1	Seal, Oil, Element Plate.....	1
49	1 850 938 M1	Ring, Snap, Center Bolt Retaining.....	2
50	1 650 192 M1	Plug, Filter, Bleed and Drain.....	2
51	1 650 193 M1	Washer, Plug.....	1

## INJECTION NOZZLE

55	890 006 M91	Nozzle Assembly, Fuel Injector.....	4
56	890 007 M91	Nozzle Assembly.....	1
57	1 012 706 M2	Nut, Nozzle Cap.....	1
58	829 208 M1	Washer, Nozzle.....	1
59	1 012 708 M1	Spindle.....	1
60	1 017 888 M1	Spring.....	1
61	1 012 710 M1	Cap, Spring, Upper.....	1
62	1 012 711 M1	Nut, Spring Retaining.....	1
63	1 012 712 M1	Screw, Spring Compression.....	1
64	1 012 713 M1	Nut, Lock, Compression Screw.....	1
65	1 012 715 M1	Nut, Cap, Nozzle Holder.....	1
66	1 022 505 M1	Washer, Nozzle Holder Nut.....	1
67	1 012 716 M1	Connection, Fuel Inlet.....	1
68	1 012 707 M1	Connection, Fuel Leak-off.....	1
69	1 014 946 M1	Washer, Fuel Inlet Connection.....	1
70	1 852 796 M1	Washer, Fuel Leak-off Connection.....	1

## INJECTION PUMP

F 1546





# INJECTION PUMP

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(STANDARD MOTORS DIESEL)

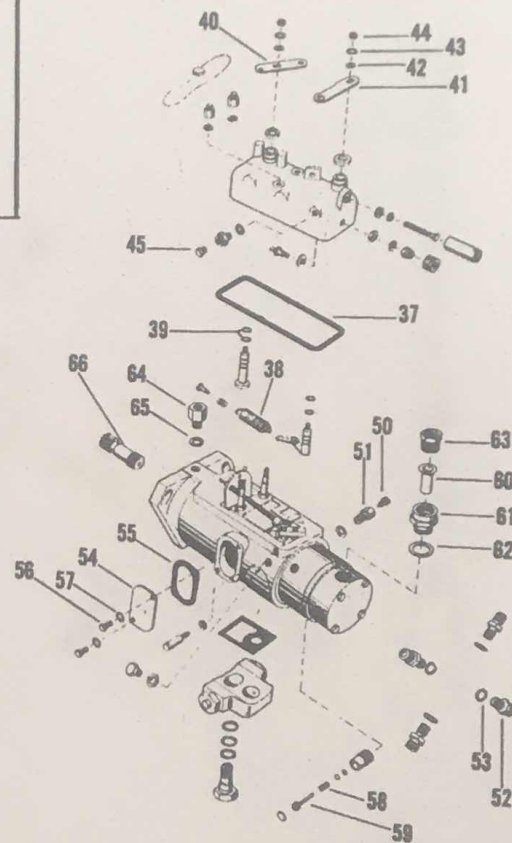
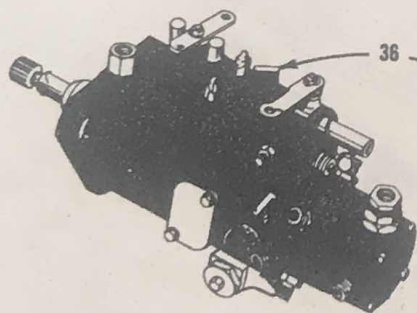
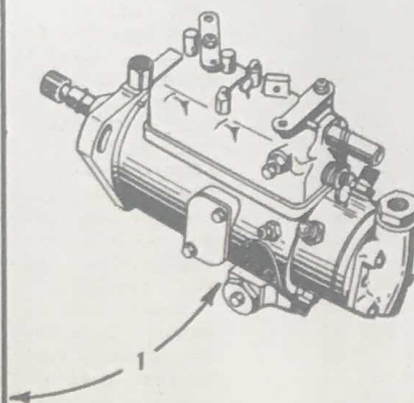
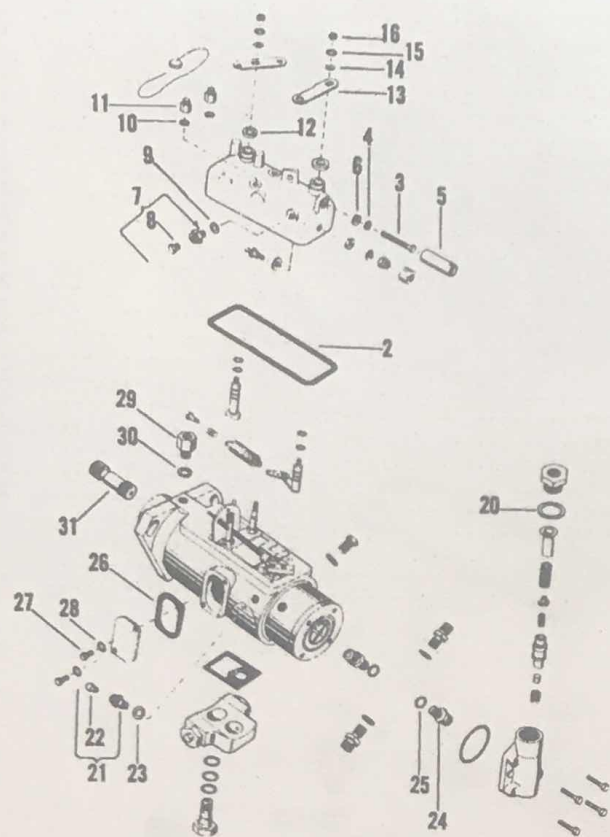
(SERVICE REPLACEMENT)

SEE PAGES VII - XII FOR CERTIFIED C.A.V. SERVICE STATIONS

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>No. Req.</u>
1	893 573 M91	Pump Assembly, Injection (DPA 3242108).....	1
2	1 851 882 M1	Gasket, Pump Cover.....	1
3	1 038 316 M1	Screw, Adjusting Throttle Control.....	1
4	1 034 654 M1	Nut, Lock, Adjusting Screw.....	1
5	1 022 309 M1	Sleeve, Adjusting Screw Cover.....	1
6	1 028 086 M1	Lock, Adjusting Screw Sleeve.....	1
7	1 028 087 M91	Vent Assembly Cover.....	1
8	1 026 231 M1	Screw, Cover Vent.....	1
9	1 028 088 M1	Washer, Cover Vent Screw.....	2
10	1 851 881 M1	Washer, Cover Stud.....	2
11	1 851 880 M1	Nut, Cover Stud.....	2
12	1 851 884 M1	Cap, Dust, Injection Pump Cover.....	1
13	731 175 M1	Lever, Fuel Shut-off.....	2
14	1 038 917 M1	Washer, Pump Levers (Plain).....	2
15	22 427 X	Washer, Pump Levers (Skpf.).....	2
16	1 034 654 M1	Nut, Pump Levers Retaining.....	1
17	1 038 815 M1	Washer, Fuel Inlet Adapters.....	1
18	1 028 496 M91	Vent Assembly, Body.....	1
19	1 026 231 M1	Screw, Body Vent.....	1
20	1 851 869 M1	Washer, Body Vent Screw.....	4
21	1 851 872 M1	Connection, Fuel Lines.....	4
22	1 038 432 M1	Washer, Fuel Lines Connector.....	1
24	1 851 859 M1	Gasket, Inspection Cover.....	2
25	1 851 860 M1	Screw, Inspection Cover.....	2
26	22 427 X	Washer, Inspection Cover.....	1
27	1 851 946 M1	Connection, Fuel Outlet.....	1
28	1 851 871 M1	Washer, Fuel Outlet Connector.....	1
29	1 012 717 M1	Shaft, Quill.....	1

## INJECTION PUMP

F406-51



# INJECTION PUMP

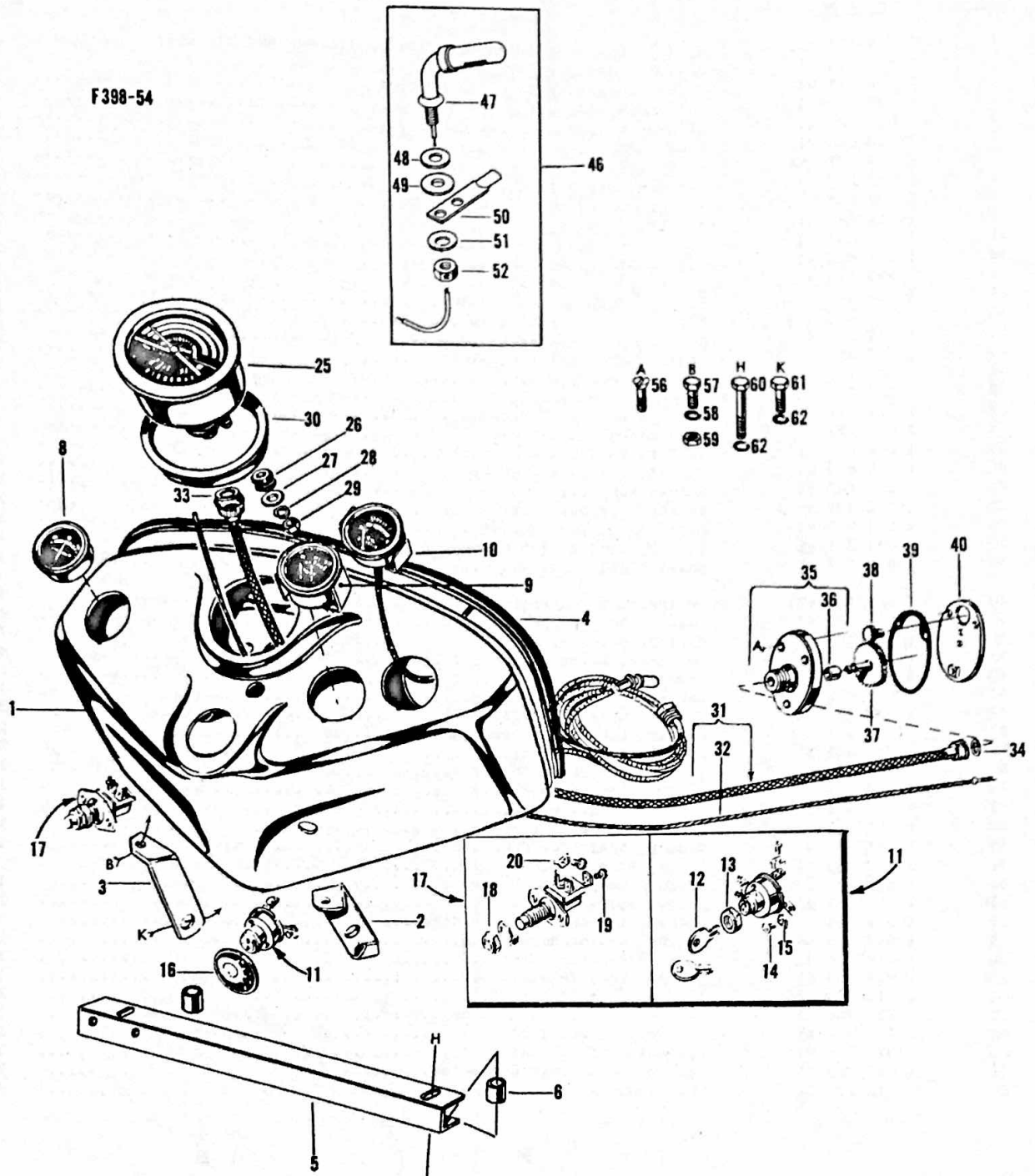
81

(STANDARD MOTORS DIESEL)

SEE PAGES VII THRU XII FOR CERTIFIED C.A.V. SERVICE STATIONS

Ref. No.	Part No.	Description	No. Req.
1	829 703 M91	Pump Assembly, Injection (DPA 3242107)(Order 893 573 M91).....	1
2	1 851 882 M1	Gasket, Pump Cover.....	1
3	1 038 816 M1	Screw, Adjusting Throttle Control.....	1
4	1 851 854 M1	Nut, Lock, Adjusting Screw.....	1
5	1 022 309 M1	Sleeve, Adjusting Screw Cover.....	1
6	1 028 086 M1	Lock, Adjusting Screw Sleeve.....	1
7	1 028 087 M91	Vent Assembly, Cover.....	1
8	1 851 868 M1	Screw, Cover Vent.....	1
9	1 028 088 M1	Washer, Cover Vent Screw.....	1
10	1 851 881 M1	Washer, Cover Stud.....	2
11	1 851 880 M1	Nut, Cover Stud.....	2
12	1 851 884 M1	Cap, Dust, Injection Pump Cover.....	2
13	731 175 M1	Lever, Fuel Shut-off.....	1
14	1 038 917 M1	Washer, Pump Levers (Plain).....	2
15	22 427 X	Washer, Pump Levers (Skpf.).....	2
16	1 034 654 M1	Nut, Pump Levers Retaining.....	2
20	1 038 815 M1	Washer, Fuel Inlet Adapter.....	1
21	1 028 496 M91	Vent Assembly, Body.....	1
22	1 026 231 M1	Screw, Body Vent.....	1
23	1 851 869 M1	Washer, Body Vent Screw.....	1
24	1 851 872 M1	Connection, Fuel Lines.....	4
25	1 038 432 M1	Washer, Fuel Lines Connector.....	4
26	1 851 859 M1	Gasket, Inspection Cover.....	1
27	1 851 860 M1	Screw, Inspection Cover.....	2
28	22 427 X	Washer, Inspection Cover.....	2
29	1 851 946 M1	Connection, Fuel Outlet.....	1
30	1 851 871 M1	Washer, Fuel Outlet Connector.....	1
31	1 012 717 M1	Shaft, Quill.....	1
36	827 490 M91	Pump Assembly, Injection (DPA 3242645).....	1
37	1 851 882 M1	Gasket, Pump Cover.....	1
38	1 012 704 M1	Spring, Governor Control.....	1
39	1 012 695 M1	"O" Ring, Lever Shafts.....	4
40	1 012 681 M1	Lever, Pump Shut-off.....	1
41	1 012 682 M1	Lever, Throttle Control.....	1
42	1 038 917 M1	Washer, Lever Retaining (Plain).....	2
43	22 427 X	Washer, Lever Retaining (Skpf.).....	2
44	1 034 654 M1	Nut, Lever Retaining.....	2
45	1 026 230 M1	Screw, Vent, Pump Cover.....	1
50	1 026 231 M1	Screw, Vent, Pump Body.....	1
51	1 021 468 M1	Body, Vent Screw.....	1
52	1 851 872 M1	Connection, Fuel Lines.....	4
53	1 851 871 M1	Washer, Fuel Line Connector.....	4
54	1 012 689 M1	Cover, Pump Inspection.....	1
55	1 851 859 M1	Gasket, Inspection Cover.....	1
56	1 012 691 M1	Screw, Inspection Cover.....	2
57	1 012 684 M1	Washer, Inspection Cover Screw.....	2
58	1 012 693 M1	Spring, Piston Regulating.....	1
59	1 012 694 M1	Plug, Regulating Piston.....	1
60	1 012 703 M1	Filter, Fuel Inlet.....	1
61	1 012 686 M1	Adapter, Fuel Inlet.....	1
62	1 851 852 M1	Washer, Fuel Inlet Adapter.....	1
63	1 012 702 M1	Connector, Fuel Inlet.....	1
64	1 012 687 M1	Connector, Fuel Drain.....	1
65	1 012 692 M1	Washer, Fuel Drain Connector.....	1
66	1 012 717 M1	Shaft, Quill.....	1

## INSTRUMENT PANEL AND INSTRUMENTS





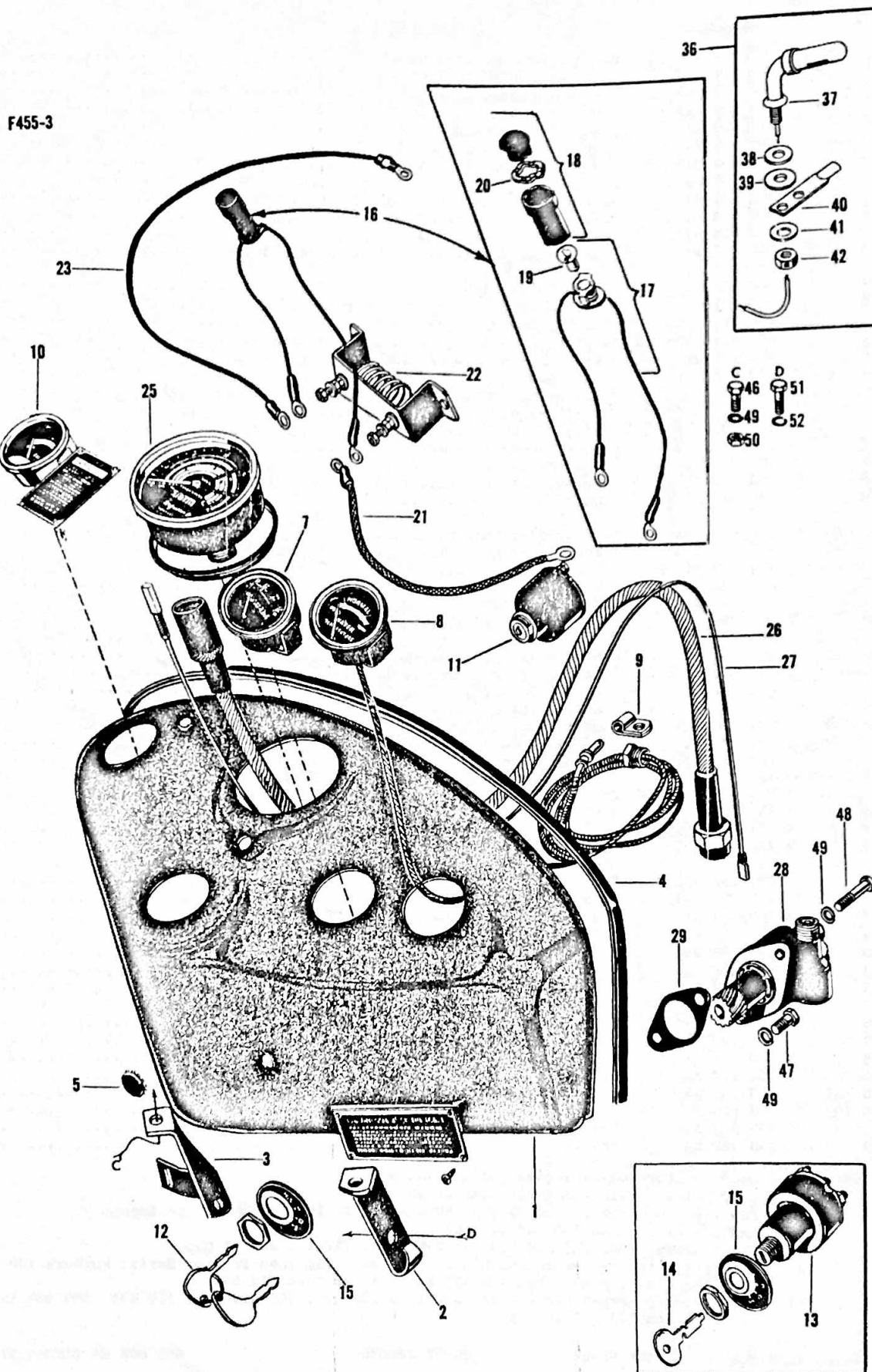
## INSTRUMENT PANEL AND INSTRUMENTS

83

(GAS)			
No. Req.	Part No.	Description	No. Req.
1 (A)	189 180 M92	Panel Assembly, Instrument.....	1
1 (B,C)	180 664 M92	Panel Assembly, Instrument.....	1
1 (A)	186 735 M93	Panel Assembly, Instrument (TO-35 Special only).....	1
1 (B,D)	185 466 M91	Panel Assembly, Instrument (TO-35 Special only).....	1
2 (A)	186 629 M1	Brace, Panel, Right Hand (6" Long).....	1
2 (B)	180 669 M1	Brace, Panel, Right Hand (4-5/8" Long).....	1
3	180 670 M1	Brace, Panel, Left Hand (Used w/Manual Steering).....	1
3 (A)	186 628 M1	Brace, Panel, Left Hand (Used w/Power Steering) (5" Long).....	1
3 (B)	183 133 M1	Brace, Panel, Left Hand (Used w/Power Steering) (3-5/8" Long).....	1
4	180 674 M1	Seal, Instrument Panel.....	1
5 (A)	186 824 M1	Spacer, Instrument Panel.....	1
6 (A)	667 517 M1	Spacer, Instrument Panel (3/8" Pipe x 1-1/8").....	2
8	515 521 M1	Ammeter Assembly.....	1
9	180 727 M93	Gauge Assembly, Water Temperature.....	1
10	180 100 M93	Gauge Assembly, Oil Pressure.....	1
11	180 681 M93	Switch Assembly, Ignition and Lighting.....	1
12	192 427 M1	Key, Switch (Set of Two).....	1
13	180 293 M1	Nut, Switch.....	1
14	353 975 X1	Screw, Switch Terminal (5/32 x 1/4" NC, Rd. Hd.).....	3
15	180 231 M1	Clip, Wire.....	3
16	180 683 M1	Plate, Switch Index.....	1
17	189 158 M91	Switch Assembly, Starter.....	1
18	180 293 M1	Nut, Switch.....	1
19	353 975 X1	Screw, Switch Terminal (5/32 x 1/4" NC, Rd. Hd.).....	2
20	180 231 M1	Clip, Wire.....	2
25 (E)	193 966 M91	Tractormeter Assembly.....	1
25 (F)	193 967 M91	Tractormeter Assembly.....	1
26	1 751 292 M1	Grommet.....	2
27	353 753 X1	Washer (3/16" Reg. Flat).....	2
28	353 445 X1	Washer (3/16" Lock).....	2
29	358 990 X1	Nut (3/16" NF, Hex.).....	2
30	183 505 M2	Pad, Mounting.....	1
31 (A)	506 331 M91	Cable Assembly, Tractormeter (Flexible).....	1
32	1 751 694 M1	Shaft, Tractormeter Cable (39-17/32" Long).....	1
33	1 031 657 M1	Gasket (Small).....	1
34	1 037 457 M1	Gasket (Large).....	1
31 (B)	521 596 M91	Cable Assembly, Tractormeter (Flexible).....	1
32	1 751 294 M1	Shaft, Tractormeter Cable (34-21/32" Long).....	1
35	1 751 295 M91	Housing Assembly.....	1
36	835 086 M1	Bearing, Needle.....	1
37	1 751 301 M92	Gear Assembly, Driven.....	1
38	1 751 304 M1	Pinion, Drive.....	1
39	1 751 298 M1	Gasket, Plate.....	1
40	1 751 299 M91	Plate Assembly, Housing.....	1
46	677 285 M91	Lamp Assembly, Instrument Panel (Order on Whole Goods).....	1
47	189 537 M91	Lamp Assembly.....	1
48	190 787 M1	Washer, Lamp to Panel (9/16" Flat).....	1
49	190 788 M1	Washer, Lamp to Panel (11/16" Flat).....	1
50	190 789 M1	Strap, Ground.....	1
51	357 185 X1	Washer (5/16" Lock).....	1
52	195 454 M1	Nut (5/16" NF, Half Hex.).....	1
56	354 204 X1	Screw (5/32 x 7/8" Flat Hd.).....	x
57	353 500 X1	Bolt (1/4 x 3/8" NF, Hex.).....	x
58	353 441 X1	Washer (1/4" Lock).....	x
59	353 918 X1	Nut (1/4" NF, Hex.).....	x
60 (A)	353 527 X1	Bolt (5/16 x 2" NF, Hex.).....	x
60 (B)	353 516 X1	Bolt (5/16 x 5/8" NF, Hex.).....	x
61	353 697 X1	Bolt (7/16 x 7/8" NC, Hex.).....	x
62	353 432 X1	Washer (7/16" Lock).....	x

- Notes: (A) - Used Tractor Serial Number 204 181 and up.  
 (B) - Used prior to Tractor Serial Number 204 181.  
 (C) - For repairs order 1 each of 189 180 M92 Panel, 182 389 M91 Lever Assembly, 182 387 M1 Cap and 186 627 M1 Seal.  
 (D) - For repairs order (1) 186 735 M93 Panel and (1) 182 387 M1 Cap.  
 (E) - Used prior to Tractor Serial Number 169 396; also used Tractor Serial Numbers 169 408 thru 169 418, 169 429 thru 169 466 and 169 555 thru 169 566.  
 (F) - Used Tractor Serial Numbers 169 396 thru 169 407, 169 419 thru 169 428, 169 467 thru 169 554 and 169 567 and up.

## INSTRUMENT PANEL AND INSTRUMENTS



## INSTRUMENT PANEL AND INSTRUMENTS:

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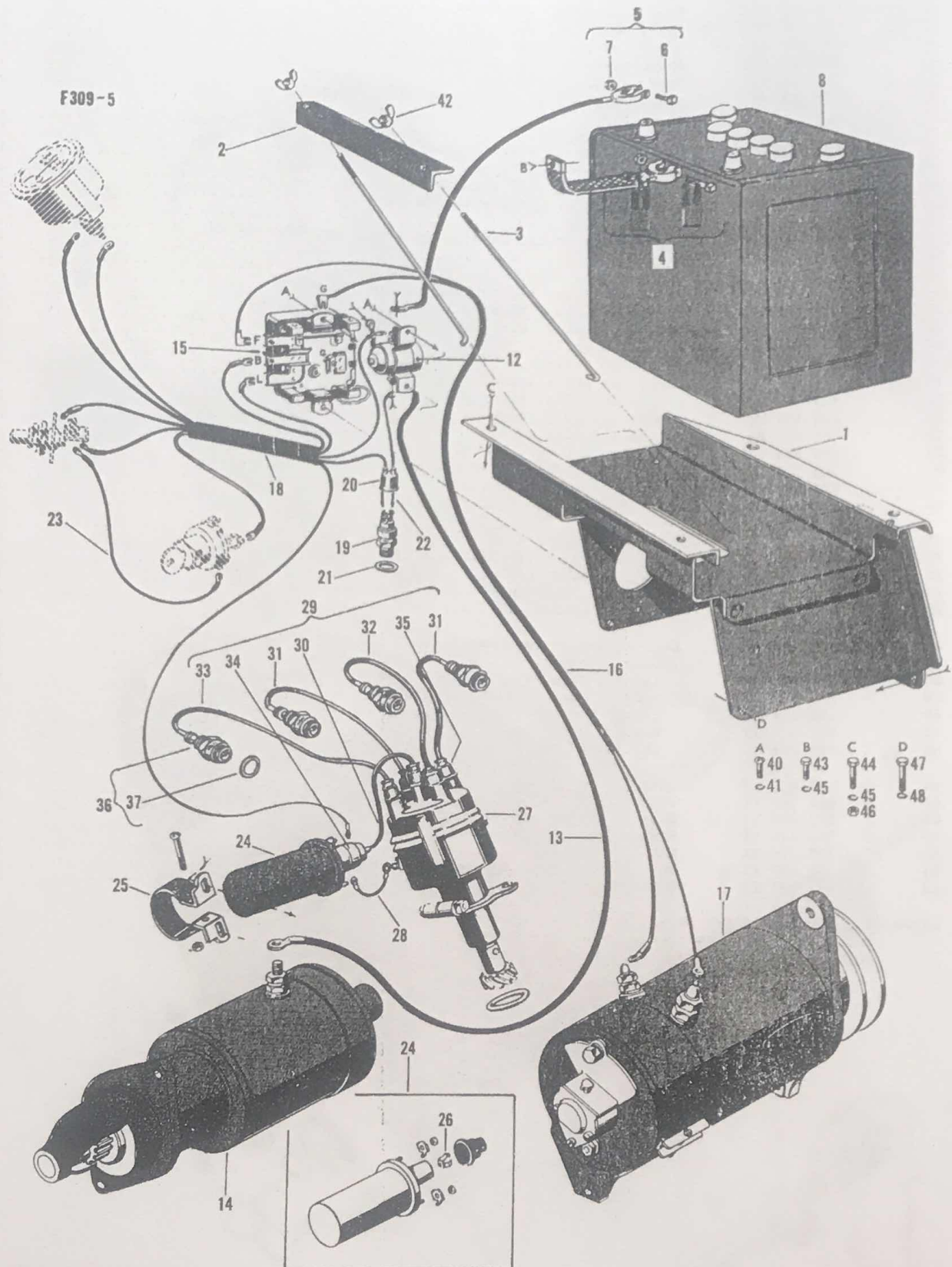
(STANDARD MOTORS DIESEL)

Ref. No.	Part No.	Description	No. Req.
1 (A)	184 935 M92	Panel Assembly, Instrument.....	1
1 (B)	184 935 M91	Panel Assembly, Instrument.....	1
2	180 669 M1	Brace, Panel, Right Hand.....	1
3	827 591 M91	Brace Assembly, Panel, Left Hand.....	1
4	180 674 M1	Seal, Instrument Panel.....	1
5	359 376 X1	Plug, Panel (5/8" Push-in Type).....	1
7	180 107 M91	Ammeter Assembly.....	1
8	182 652 M92	Gauge Assembly, Water Temperature.....	1
9	180 746 M1	Clip, Temperature Gauge.....	1
10	1 850 377 M96	Gauge Assembly, Oil Pressure.....	1
11 (A)	829 141 M3	Switch, Heater and Starter (4 Way).....	2
12 (A)	829 741 M1	Key, Switch.....	1
13 (B)	827 430 M2	Switch, Heater and Starter (4 Way)(Order 829 141 M3).....	2
14 (B)	829 741 M1	Key, Switch.....	1
15	827 052 M1	Plate, Index, Heater and Starter Switch.....	1
16	890 440 M91	Light Assembly, Heater Plug Warning (6 Volt).....	1
17	890 441 M91	Base Assembly, Warning Light (Incl. Bulb).....	1
18	829 698 M91	Body Assembly, Warning Light (Order 1852 333 M1).....	1
19	1 851 735 M1	Bulb (6 Volt).....	1
20	1 851 524 M1	Washer, Spring.....	1
16 (C)	829 151 M91	Light Assembly, Heater Plug Warning (12 Volt).....	1
17	829 697 M91	Base Assembly, Warning Light (Incl. Bulb).....	1
18	1 852 333 M1	Body Assembly, Warning Light.....	1
19	829 800 M1	Bulb (12 Volt).....	1
20	1 851 524 M1	Washer, Spring.....	1
21	829 145 M1	Wire, Starter Switch to Resistor.....	1
22	890 393 M1	Resistor, Heater Plug.....	1
23	829 146 M1	Wire, Resistor to Heater Plug.....	1
25	1 850 093 M93	Tractormeter Assembly.....	1
26	827 855 M1	Sheathing, Flexible Drive.....	1
27	1 850 709 M1	Cable, Flexible Drive.....	1
28	829 489 M91	Box, Gear, Tractormeter Drive Take-off.....	1
29	827 266 M1	Gasket, Gear Box.....	1
36	677 285 M91	Lamp Assembly, Instrument Panel (Order on Whole Goods).....	1
37	189 537 M91	Lamp Assembly.....	1
38	190 787 M1	Washer, Lamp to Panel (9/16" Flat).....	1
39	190 788 M1	Washer, Lamp to Panel (11/16" Flat).....	1
40	190 789 M1	Strap, Ground.....	1
41	357 185 X1	Washer (5/16" Lock).....	1
42	195 454 M1	Nut (5/16" NF, Half Hex.).....	1
46	353 501 X1	Bolt (1/4 x 1/2" NF, Hex.).....	x
47	353 502 X1	Bolt (1/4 x 5/8" NF, Hex.).....	x
48	353 508 X1	Bolt (1/4 x 1-3/8" NF, Hex.).....	x
49	353 441 X1	Washer (1/4" Lock).....	x
50	353 918 X1	Nut (1/4" NF, Hex.).....	x
51	353 697 X1	Bolt (7/16 x 7/8" NC, Hex.).....	x
52	353 432 X1	Washer (7/16" Lock).....	x

Notes: (A) - Used Tractor Serial Number 188 851 and up.  
 (B) - Used prior to Tractor Serial Number 188 851.  
 (C) - For repairs order 1 each of 1852 333 M1, 1851 524 M1  
 and 829 697 M91.



## ELECTRICAL WIRING





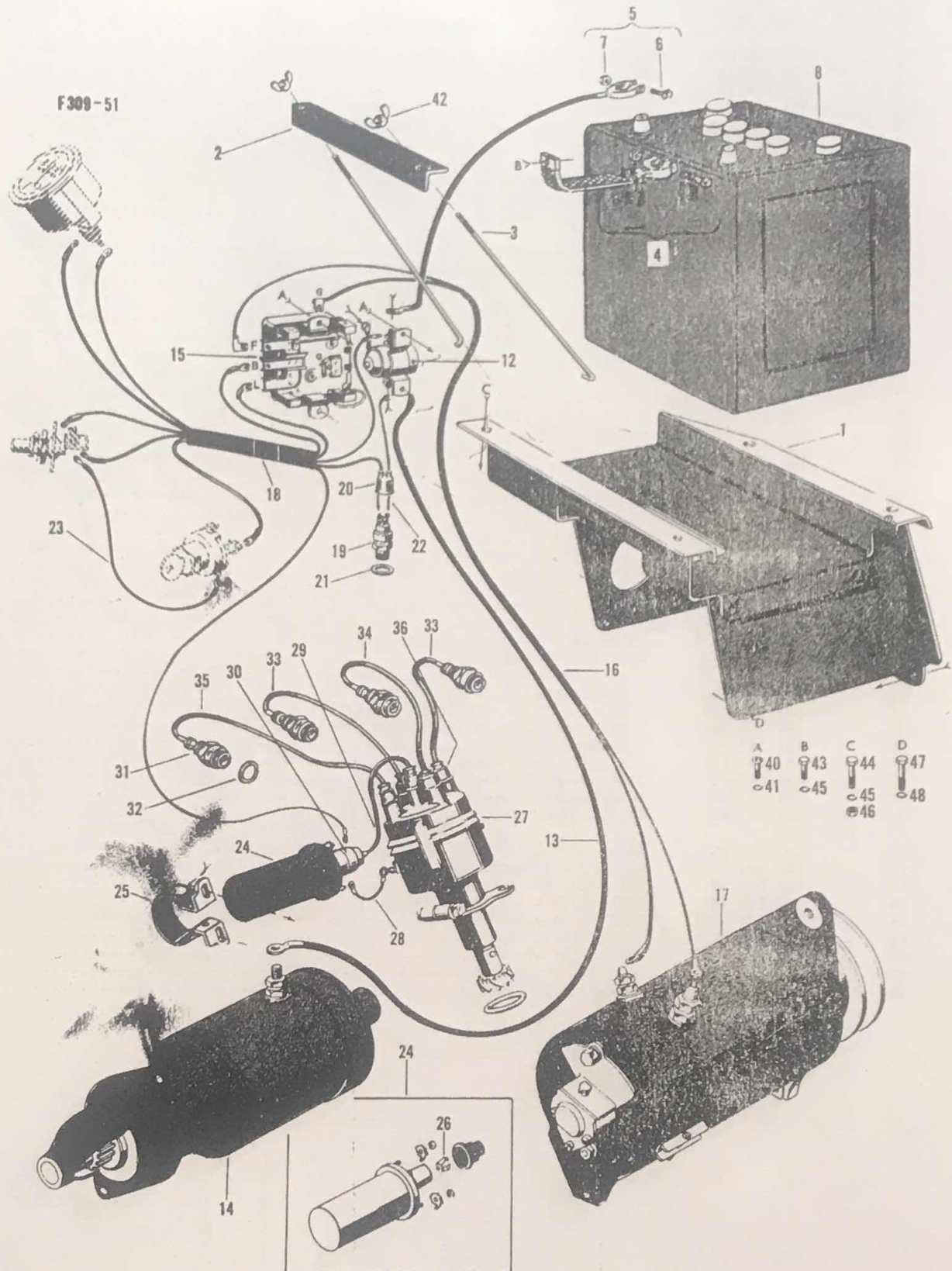
## ELECTRICAL WIRING

87

(12 VOLT - GAS)

(USED TRACTOR SERIAL NUMBER 161 250 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	180 691 M91	Platform Assembly, Battery.....	1
2	182 532 M1	Clamp, Battery Hold Down.....	1
3	180 695 M2	Rod, Clamp Tension.....	2
4	181 572 M91	Strap Assembly, Battery Ground (15-1/2" Long)(De-Luxe Model).....	1
4	185 499 M91	Strap Assembly, Battery Ground (4-1/2" Long)(Special Model).....	1
5	182 814 M91	Cable Assembly, Battery to Solenoid (22-5/8" Long)(De-Luxe Model)....	1
5	185 458 M91	Cable Assembly, Battery to Solenoid (16-1/2" Long)(Special Model)....	1
6	180 169 M1	Bolt, Clamp (5/16 x 1-1/2" NC, Sq. Hd.).....	1
7	180 296 M1	Nut (5/16" NC, Hex.).....	1
8	832 704 M92	Battery (12 Volt).....	
12	182 696 M91	Solenoid Assembly.....	1
13	182 620 M93	Cable Assembly, Solenoid to Starter.....	1
14		Starter Assembly (See Page 117 thru 127).....	1
15	182 548 M92	Regulator Assembly, Voltage.....	1
16	181 575 M91	Harness Assembly, Wire, Regulator to Generator.....	1
17	182 455 M91	Generator Assembly (See Pages 99 thru 115).....	1
18	181 574 M92	Harness Assembly, Wire (De-Luxe Model).....	1
18	185 457 M91	Harness Assembly, Wire (Special Model).....	1
19	181 140 M93	Breaker Assembly, Circuit.....	1
20	180 776 M1	Boot, Circuit Breaker.....	1
21	181 142 M1	Washer (23/32 x 1 x 1/32" Aluminum).....	1
22	185 187 M91	Wire Assembly, Circuit Breaker to Solenoid.....	1
23	182 658 M94	Wire Assembly, Ignition Switch to Starter Switch (7" Long)(De-Luxe Model).....	1
23	706 699 M91	Wire Assembly, Ignition Switch to Starter Switch (11-3/4" Long) Special Model).....	1
24	1 028 569 M91	Coil Assembly, Ignition.....	1
25	1 750 500 M1	Bracket, Coil Mounting.....	1
	1 024 262 M1	Screw, Bracket.....	1
26	1 750 501 M1	Clip, Terminal.....	2
	358 990 X1	Nut, Terminal.....	2
27	182 852 M91	Distributor Assembly (See Pages 93 thru 97).....	1
28	181 562 M1	Wire, Coil to Distributor (Low Tension).....	1
29	830 681 M91	Wire Kit (Hi-Tension).....	1
30	181 602 M91	Wire Assembly, Coil to Distributor (Incl. Item 34).....	1
31	181 604 M91	Wire Assembly, #1 and #3 Spark Plug (Incl. Item 35).....	2
32	181 605 M91	Wire Assembly, #2 Spark Plug (Incl. Item 35).....	1
33	181 603 M91	Wire Assembly, #4 Spark Plug (Incl. Item 35).....	1
34	181 543 M1	Nipple, Coil.....	1
35	181 551 M1	Nipple, Distributor Cap.....	5
36	834 242 M1	Plug Assembly, Spark (Std.).....	4
36	834 243 M1	Plug Assembly, Spark (Hot).....	x
37	180 474 M1	Gasket, Spark Plug.....	4
40	353 987 X1	Screw (1/4 x 3/8" NC, Rd. Hd.).....	x
41	353 441 X1	Washer (1/4" Lock).....	x
42	355 582 X1	Nut (1/4" NF, Wing).....	x
43	353 515 X1	Bolt (5/16 x 1/2" NF, Hex.).....	x
44	353 516 X1	Bolt (5/16 x 5/8" NF, Hex.).....	x
45	353 446 X1	Washer (5/16" Lock).....	x
46	353 916 X1	Nut (5/16" NF, Hex.).....	x
47	353 696 X1	Bolt (7/16 x 3/4" NC, Hex.).....	x
48	353 432 X1	Washer (7/16" Lock).....	x



## ELECTRICAL WIRING

89

(6 VOLT - GAS)

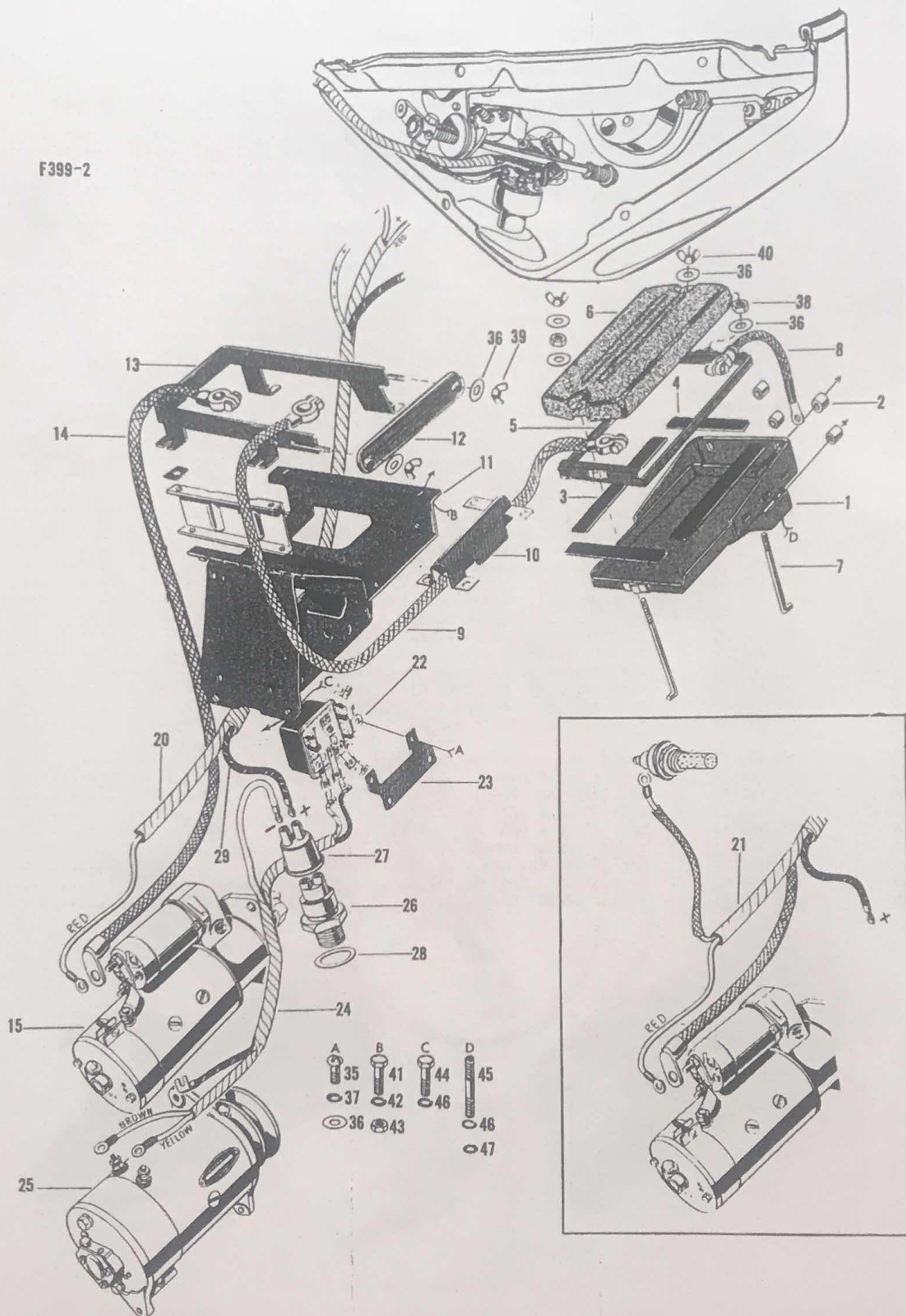
(USED PRIOR TO TRACTOR SERIAL NUMBER 161 250)

Ref. No.	Part No.	Description	No. Req.
1	180 691 M91	Platform Assembly, Battery.....	1
2	182 532 M1	Clamp, Battery Hold Down.....	1
3	180 695 M2	Rod, Clamp Tension.....	2
4	180 165 M91	Strap Assembly, Battery to Ground.....	1
5	181 572 M91	Cable Assembly, Battery to Solenoid.....	1
6	180 169 M1	Bolt, Clamp (5/16 x 1-1/2" NC, Sq. Hd.).....	1
7	180 296 M1	Nut (5/16" NC, Hex.).....	1
8	832 696 M2	Battery (6 Volt).....	1
12	182 330 M91	Solenoid Assembly (Magnetic Switch).....	1
13	181 573 M91	Cable Assembly, Solenoid to Starter.....	1
14		Starter Assembly (See Page 117 thru 127).....	1
15	180 142 M92	Regulator Assembly, Voltage.....	1
16	181 575 M91	Harness Assembly, Wire, Regulator to Generator.....	1
17		Generator Assembly (See Page 99 thru 115).....	1
18	181 574 M92	Harness Assembly, Wire.....	1
19	181 140 M91	Breaker Assembly, Circuit.....	1
20	180 776 M1	Boot, Circuit Breaker.....	1
21	181 142 M1	Washer (23/32 x 1 x 1/32" Aluminum).....	1
22	185 187 M91	Wire Assembly, Circuit Breaker to Solenoid.....	1
23	182 658 M91	Wire Assembly, Ignition Switch to Starter Switch.....	1
24	1 024 481 M91	Coil Assembly, Ignition.....	1
25	1 750 500 M1	Bracket, Coil Mounting.....	1
	1 024 262 M1	Screw, Bracket.....	1
26	1 750 501 M1	Clip, Terminal.....	2
	1 750 368 M1	Nut, Terminal.....	2
27		Distributor Assembly (See Pages 93 thru 97).....	1
28	181 562 M1	Wire, Coil to Distributor (Low Tension).....	1
29	181 602 M91	Wire Assembly, Coil to Distributor (Hi-Tension).....	1
30	181 551 M1	Nipple, Coil.....	1
31	834 242 M1	Plug Assembly, Spark (Std.).....	4
31	181 547 M91	Plug Assembly, Spark (Cold).....	x
31	834 243 M1	Plug Assembly, Spark (Hot).....	x
32	180 474 M1	Gasket, Spark Plug.....	4
33	181 604 M91	Wire Assembly, #1 and #3 Spark Plug (9-3/4" Long).....	2
34	181 605 M91	Wire Assembly, #2 Spark Plug (7-1/2" Long).....	1
35	181 603 M91	Wire Assembly, #4 Spark Plug (11-1/2" Long).....	1
36	181 551 M1	Nipple, Distributor Cap.....	5
40	353 987 X1	Screw (1/4 x 3/8" NC, Rd. Hd.).....	x
41	353 441 X1	Washer (1/4" Lock).....	x
42	355 582 X1	Nut (1/4" NF, Wing).....	x
43	353 515 X1	Bolt (5/16 x 1/2" NF, Hex.).....	x
44	353 516 X1	Bolt (5/16 x 5/8" NF, Hex.).....	x
45	353 446 X1	Washer (5/16" Lock).....	x
46	353 916 X1	Nut (5/16" NF, Hex.).....	x
47	353 696 X1	Bolt (7/16 x 3/4" NC, Hex.).....	x
48	353 432 X1	Washer (7/16" Lock).....	x



## ELECTRICAL WIRING

F399-2





## ELECTRICAL WIRING

91

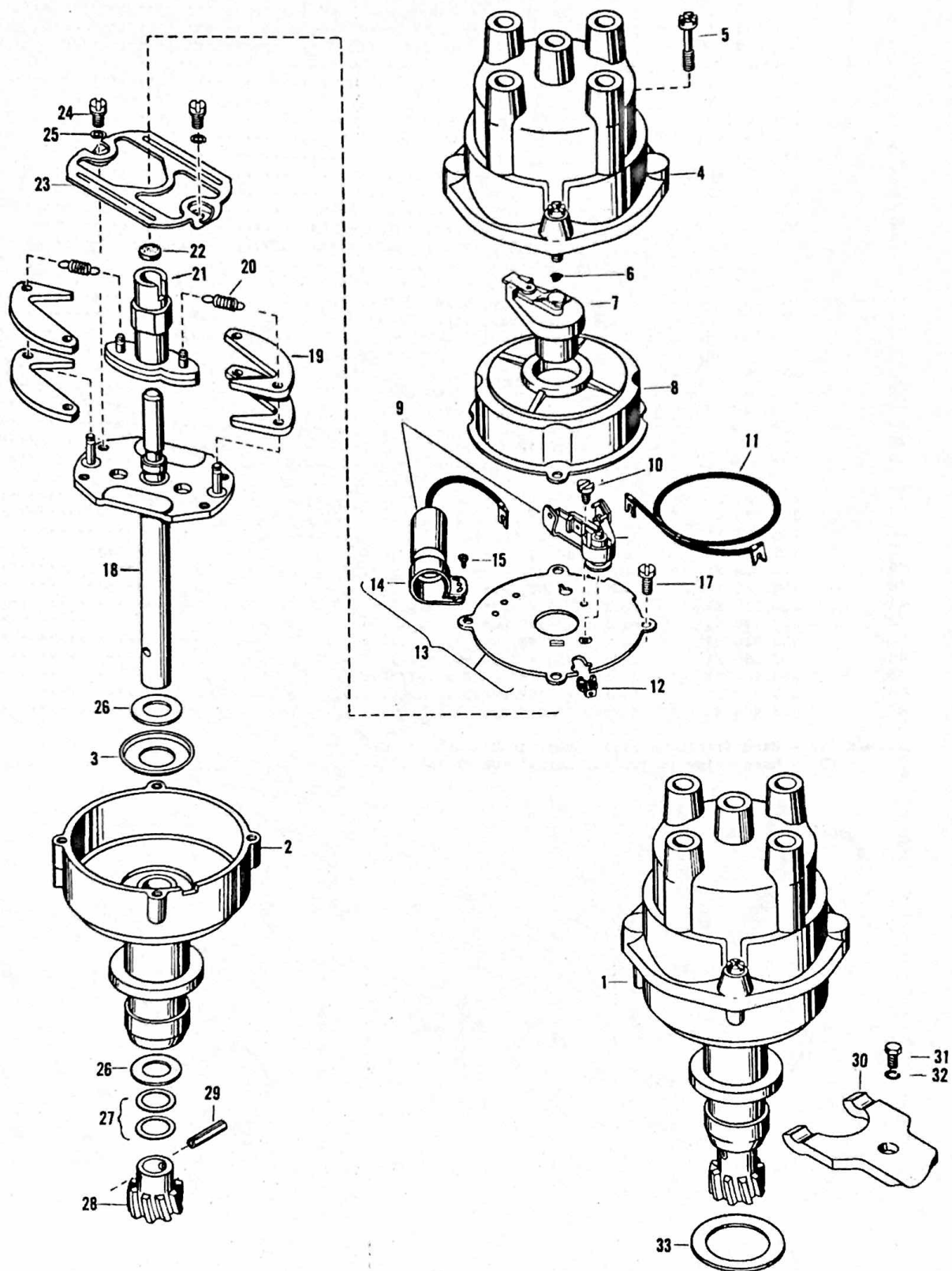
(STANDARD MOTORS DIESEL)

<u>Ref.</u> <u>No.</u>	<u>Part No.</u>	<u>Description</u>	<u>No.</u> <u>Req.</u>
1	826 975 M91	Platform Assembly, Battery, Rear.....	1
2	670 530 M1	Spacer, Support (1/2 x 13/16 x 1/2").....	4
3	826 983 M1	Pad, Battery (1-1/8 x 10 x 1/8").....	2
4	826 984 M1	Pad, Battery (1-1/8 x 7 x 1/8").....	2
5	184 931 M91	Cover Assembly, Battery Hold-Down.....	1
6	185 015 M1	Cover, Battery Protection.....	1
7	184 928 M1	Rod, Hold-Down Cover Retaining.....	2
8	184 986 M91	Cable Assembly, Battery to Ground.....	1
9	184 941 M91	Cable Assembly, Battery to Battery.....	1
10	827 642 M1	Guard, Cable.....	1
11	185 034 M91	Platform Assembly, Battery, Front.....	1
12	890 286 M1	Strap, Battery Retaining.....	1
13	827 070 M91	Bracket Assembly, Battery Retaining.....	1
14	184 912 M91	Cable Assembly, Battery to Solenoid.....	1
15		Starter Assembly (See Pages 117 thru 127).....	1
	832 701 M2	Battery (6 Volt).....	2
20 (A)	185 938 M91	Harness Assembly, Wire, Main.....	1
21 (B)	185 008 M91	Harness Assembly, Wire, Main.....	1
22	182 548 M92	Regulator Assembly, Voltage.....	1
23	185 155 M91	Bracket Assembly, Regulator Mounting.....	1
24	185 007 M91	Harness Assembly, Wire, Generator.....	1
25		Generator Assembly (See Pages 99 thru 115).....	1
26	181 140 M93	Switch Assembly (Neutral Safety).....	1
27	180 776 M1	Boot, Safety Switch.....	1
28	181 142 M1	Washer (23/32 x 1 x 1/32" Aluminum).....	1
29	185 006 M92	Wire Assembly, Ammeter to Safety Switch.....	1
35	353 987 X1	Screw (1/4 x 3/8" NF, Rd. Hd.).....	x
36	353 754 X1	Washer (1/4" Small Flat).....	x
37	353 441 X1	Washer (1/4" Lock).....	x
38	353 919 X1	Nut (1/4" NF, Hex.).....	x
39	355 592 X1	Nut (1/4" NC, Wing).....	x
40	355 582 X1	Nut (1/4" NF, Wing).....	x
41	353 517 X1	Bolt (5/16 x 3/4" NF, Hex.).....	x
42	353 446 X1	Washer (5/16" Lock).....	x
43	353 916 X1	Nut (5/16" NF, Hex.).....	x
44	353 696 X1	Bolt (7/16 x 3/4" NC, Hex.).....	x
45	353 964 X1	Stud (7/16" NC - NF x 1-7/8").....	x
46	353 432 X1	Washer (7/16" Lock).....	x
47	359 404 X1	Washer (7/16" Skpf.).....	x

Notes: (A) - Used Tractor Serial Number 188851 and up.

(B) - Used prior to Tractor Serial Number 188 851.

## DISTRIBUTOR

F1040-4  
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## DISTRIBUTOR

93

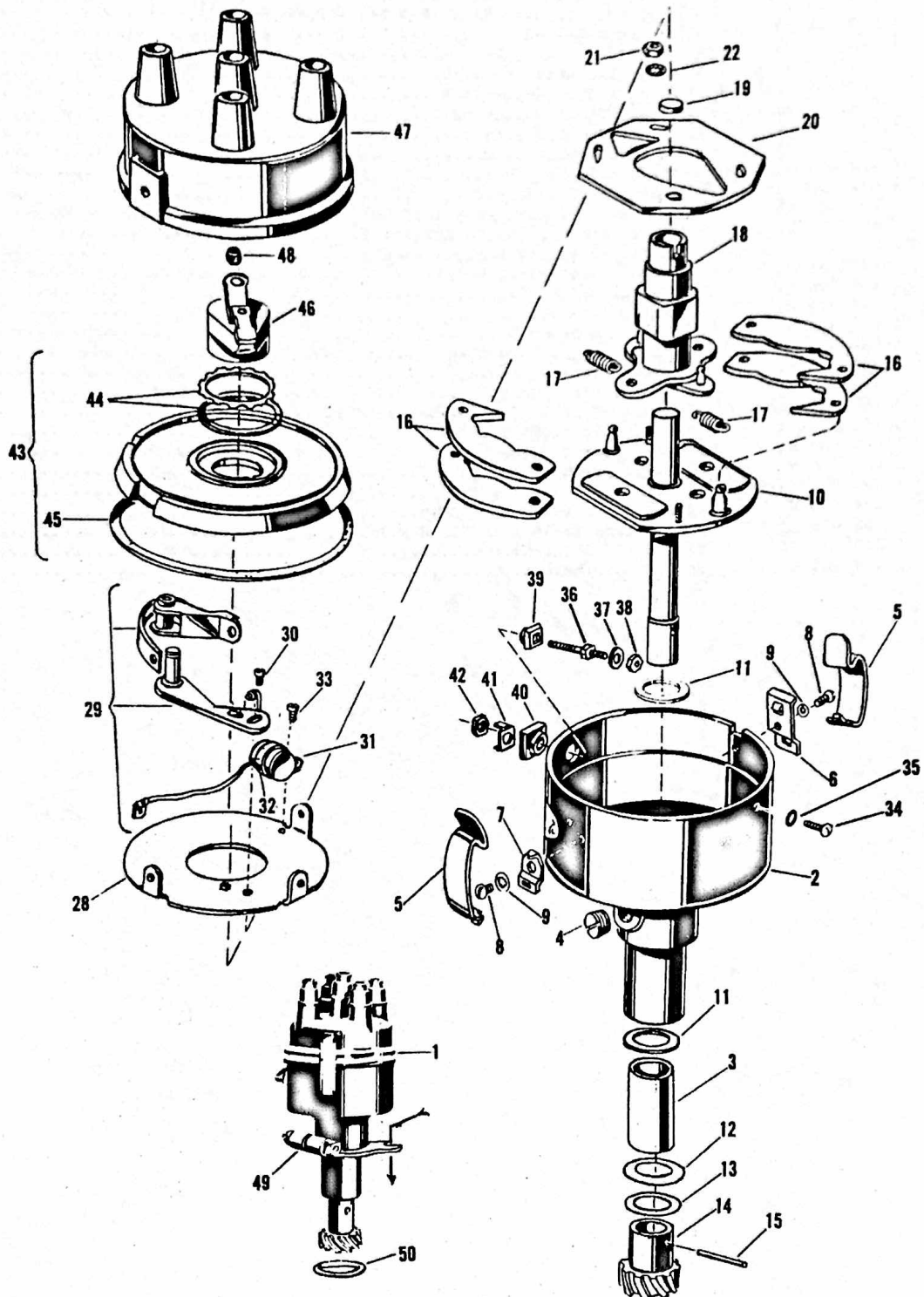
(GAS)

## FOR SERVICE REPLACEMENT ENGINE

Ref. No.	Part No.	Description	No. Req.
1	194 058 M91	Distributor Assembly (Delco Remy #1112-643).....	1
2	1 024 912 M91	Housing Assembly.....	1
3	1 030 585 M1	Seal.....	1
4	1 024 914 M91	Cap Assembly.....	1
5	1 025 028 M1	Screw, Cap Attaching (#8 NC, Zinc Plated).....	1
5	1 025 029 M1	Screw, Cap Attaching (#10 NF, Copper Plated).....	1
6	1 753 958 M1	Carbon Button.....	1
7	1 024 916 M1	Rotor.....	1
8	1 024 915 M1	Cover Assembly, Housing.....	1
9	839 008 M91	Point and Condenser Set.....	1
10	1 022 319 M1	Screw, Point Adjusting.....	1
11	1 035 020 M91	Lead Assembly, Point.....	1
12	1 025 005 M1	Grommet, Point Lead.....	1
13	1 033 801 M91	Plate Assembly, Breaker.....	1
14	1 033 790 M1	Bracket, Condenser.....	1
15	363 567 X1	Screw, Bracket (#8 x 1/4" NC).....	1
17	353 976 X1	Screw, Breaker Plate Retaining.....	2
18	1 024 917 M91	Shaft and Weight Plate Assembly.....	1
19	1 750 464 M1	Weight (3/8" Pivot Hole).....	4
20	1 752 306 M1	Spring, Weight.....	2
21	1 024 919 M1	Cam.....	1
22	1 024 922 M1	Wick, Cam Oiler.....	1
23	1 025 001 M1	Plate, Weight Hold-Down.....	1
24	353 975 X1	Screw, Plate Retaining.....	2
25	353 444 X1	Washer, Plate Screw.....	2
26	1 750 412 M1	Washer, Thrust (1/2 x 7/8 x 1/32").....	2
27	1 750 406 M1	Shim, Gear (.005").....	x
27	1 025 008 M1	Shim, Gear (.010").....	x
28	1 025 006 M1	Gear, Driven (9 Teeth).....	1
29	1 025 032 M1	Pin, Gear.....	1
30	194 060 M1	Clamp, Distributor Hold-Down.....	1
31	353 679 X1	Bolt, Clamp (5/16 x 1" NC, Hex.).....	1
32	353 446 X1	Washer (5/16" Lock).....	1
33	.94 061 M1	Seal, Distributor.....	1

## DISTRIBUTOR

F 1547





## DISTRIBUTOR

95

(GAS)

Ref. No.	Part No.	Description	No. Req.
1 (A)	182 852 M91	Distributor Assembly (See Note).....	1
2	1 038 988 M91	Housing Assembly, Distributor.....	1
3	1 750 499 M1	Bushing.....	1
4	195 591 M1	Plug.....	1
5	1 750 489 M1	Spring, Cap Locking.....	2
6	1 750 490 M1	Support, Spring and Cap Locating.....	1
7	1 750 436 M1	Support, Spring.....	1
8	353 976 X1	Screw (#8 - 32 x 3/8" Sltd. Rd. Hd.).....	2
9	22 425 X	Washer (#8 Lock).....	2
10	1 752 304 M91	Shaft and Weight Plate Assembly.....	1
11	1 750 412 M1	Washer, Thrust.....	2
12	1 750 406 M1	Shim (.005").....	x
13	1 025 008 M1	Shim (.010").....	x
14	1 025 006 M91	Gear, Drive.....	1
15	1 750 492 M1	Pin, Drive Gear.....	1
16	1 750 464 M1	Weight, Distributor Advance.....	4
17	1 752 306 M1	Spring, Weight.....	2
18	1 752 305 M1	Cam, Breaker.....	1
19	1 024 922 M1	Wick, Cam Oiler.....	1
20	1 750 482 M1	Plate, Weight and Cam Retainer.....	1
21	358 990 X1	Nut, Retaining Plate Lock.....	2
22	353 445 X1	Washer, Special Lock.....	2
28	1 750 437 M1	Plate, Breaker.....	1
29	839 012 M91	Point Set, Breaker.....	1
30	1 022 319 M1	Screw, Breaker Point Lock.....	1
31 (C)		Condenser.....	1
32	1 017 341 M1	Bracket, Condenser.....	1
33	363 580 X1	Screw, Condenser Attaching.....	1
34	363 712 X1	Screw, Breaker Plate Attaching.....	1
35	353 444 X1	Washer, Lock.....	1
36	1 750 520 M1	Stud, Terminal.....	1
37	1 750 495 M1	Washer, Terminal Stud.....	1
38	354 119 X1	Nut, Terminal Stud, Inside.....	1
39	1 750 519 M1	Bushing, Terminal Stud, Inside.....	1
40	1 750 513 M1	Bushing, Terminal Stud, Outside.....	1
41	1 750 514 M1	Clip, Terminal Stud.....	1
42	354 119 X1	Nut, Terminal Stud, Outside.....	1
43	1 750 491 M91	Cover Assembly, Housing.....	1
44	1 750 515 M1	Seal, Dust (Felt).....	1
45	1 750 488 M1	Gasket, Cover.....	1
46	1 750 875 M1	Rotor.....	1
47	1 750 411 M91	Cap Assembly, Distributor.....	1
48 (B)	1 750 432 M1	Brush, Center Contact (Carbon)(One Flat Side).....	x
48 (B)	1 753 958 M1	Brush, Center Contact (Carbon)(Ball Type).....	x
49	182 912 M91	Clamp Assembly, Distributor.....	1
50	760 001 M2	"O" Ring, Distributor.....	1

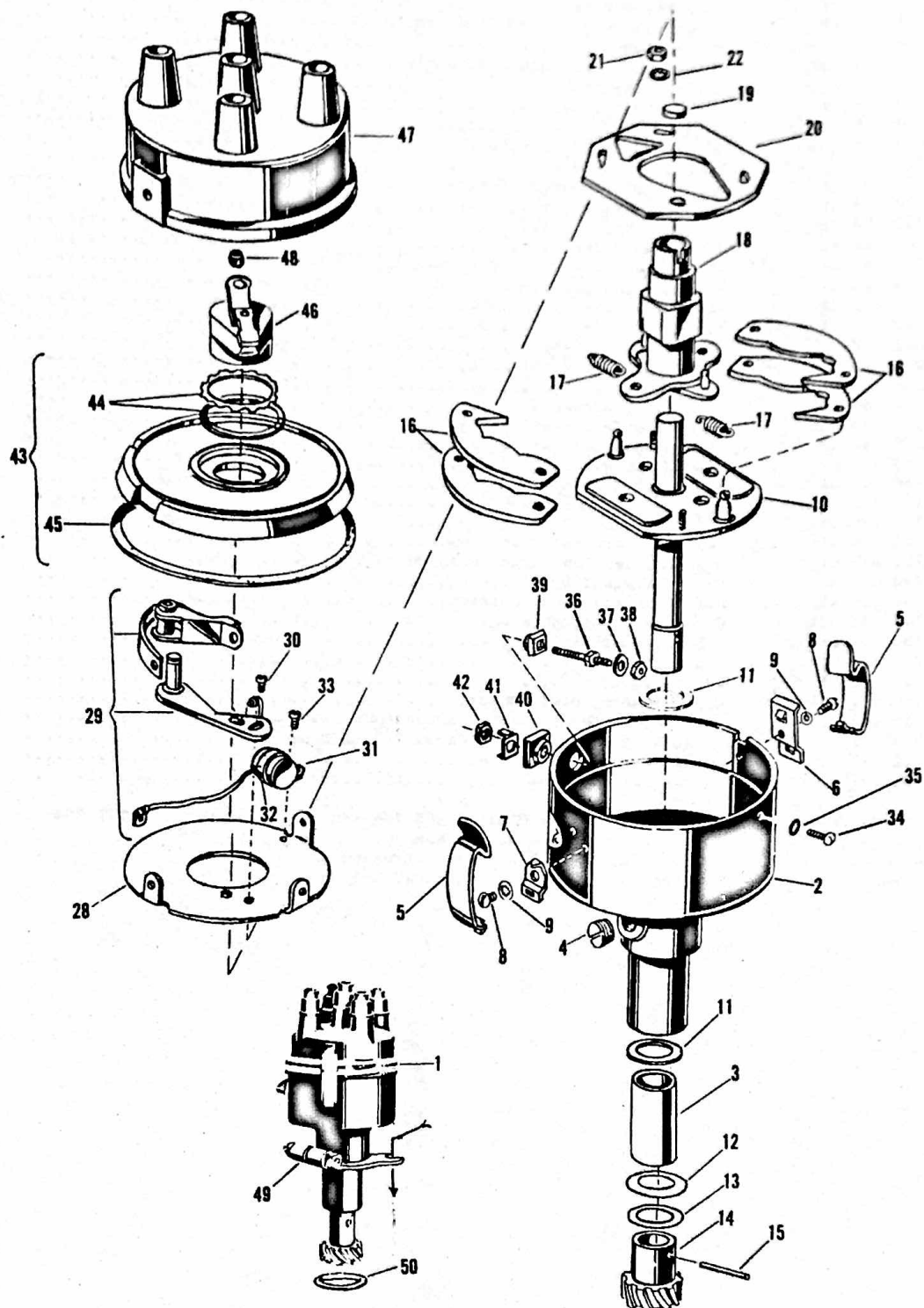
Notes: (A) - Used Tractor Serial Numbers (Single Clutch) 166 768 and up; (Dual Clutch) 167 258 thru 167 805, 168 319 thru 168 539, 168 505 and up.

(B) - Check Carefully before ordering Carbon Contact Brushes.

(C) - For repairs order 1 each of 1024 924 M91 and 1017 341 M1.

## DISTRIBUTOR

F 1547



## DISTRIBUTOR

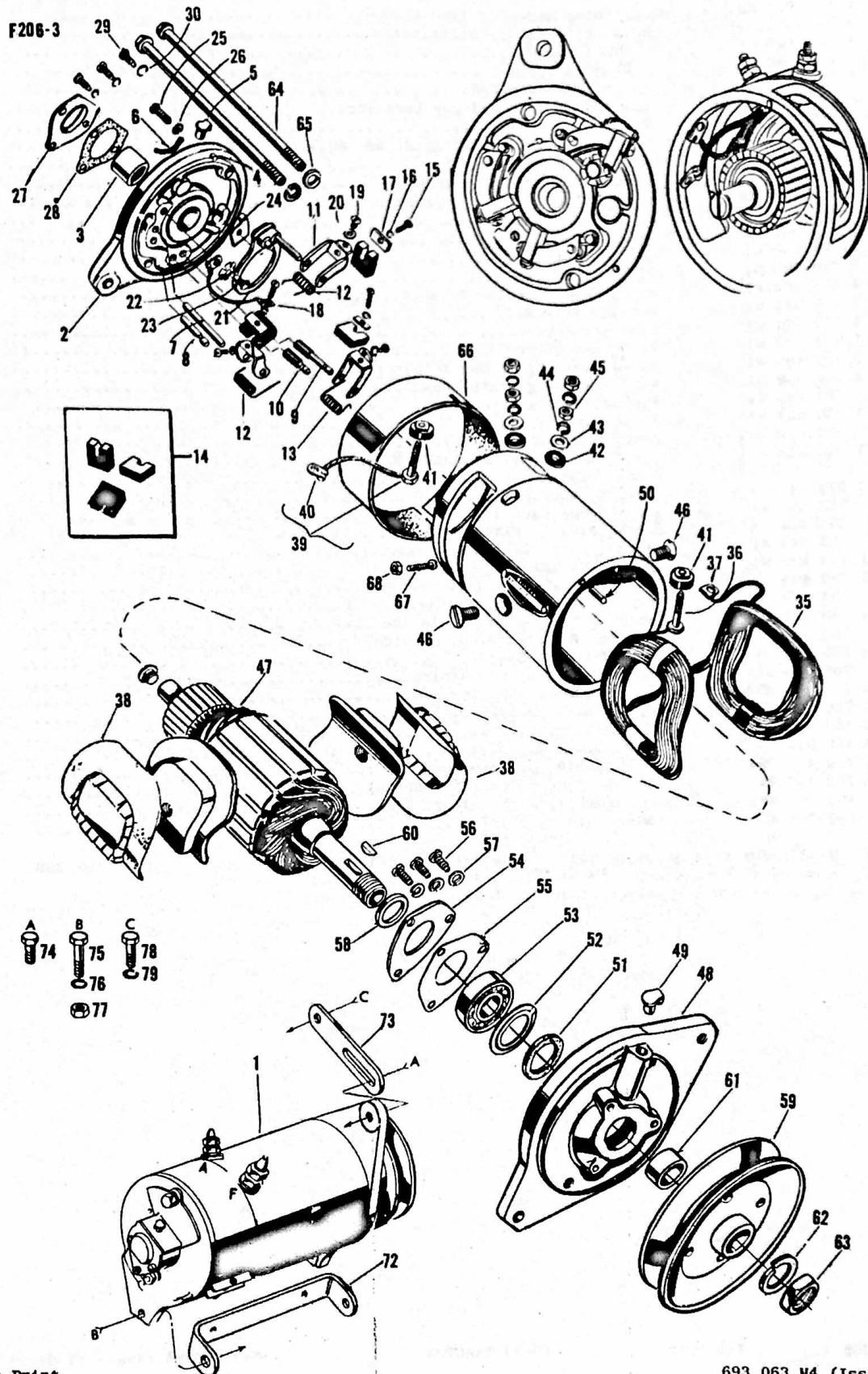
97

(GAS)

Ref. No.	Part No.	Description	No. Req.
1 (A)	181 544 M91	Distributor Assembly (See Note).....	1
2	1 038 988 M91	Housing Assembly, Distributor.....	1
3	1 750 499 M1	Bushing.....	1
4	195 591 M1	Plug.....	1
5	1 750 489 M1	Spring, Cap Locking.....	1
6	1 750 490 M1	Support, Spring and Cap Locating.....	2
7	1 750 436 M1	Support, Spring.....	1
8	353 976 X1	Screw (#8 - 32 x 3/8" Sltd. Rd. Hd.).....	1
9	353 444 X1	Washer (#8 Lock).....	2
10	1 754 220 M91	Shaft and Weight Plate Assembly.....	2
11	1 750 412 M1	Washer, Thrust.....	1
12	1 750 406 M1	Shim (.005").....	2
13	1 025 008 M1	Shim (.010").....	x
14	1 025 006 M1	Gear, Drive.....	x
15	1 750 492 M1	Pin, Drive Gear.....	1
16	1 750 462 M1	Weight, Distributor Advance.....	1
17	1 750 880 M1	Spring, Weight.....	4
18	1 750 524 M1	Cam, Breaker.....	2
19	1 024 922 M1	Wick, Cam Oiler.....	1
20	1 750 482 M1	Plate, Weight and Cam Retainer.....	1
21	1 750 368 M1	Nut, Retaining Plate Lock.....	1
22	353 445 X1	Washer, Special Lock.....	2
28	1 750 437 M1	Plate, Breaker.....	2
29	839 012 M91	Point Set, Breaker.....	1
30	1 022 319 M1	Screw, Breaker Point Lock.....	1
31 (B)		Condenser.....	1
32	1 017 341 M1	Bracket, Condenser.....	1
33	353 580 X1	Screw, Condenser Attaching.....	1
34	363 712 X1	Screw, Breaker Plate Attaching.....	1
35	353 444 X1	Washer, Lock.....	1
36	1 750 520 M1	Stud, Terminal.....	1
37	1 750 495 M1	Washer, Terminal Stud.....	1
38	354 119 X1	Nut, Terminal Stud, Inside.....	1
39	1 750 519 M1	Bushing, Terminal Stud, Inside.....	1
40	1 750 513 M1	Bushing, Terminal Stud, Outside.....	1
41	1 750 514 M1	Clip, Terminal Stud.....	1
42	354 119 X1	Nut, Terminal Stud, Outside.....	1
43	1 750 491 M91	Cover Assembly, Housing.....	1
44	1 750 515 M1	Seal, Dust (Felt).....	1
45	1 750 488 M1	Gasket, Cover.....	1
46	1 750 875 M1	Rotor.....	1
47	1 750 411 M91	Cap Assembly, Distributor.....	1
48	1 750 432 M1	Brush, Center Contact (Carbon).....	1
49	181 548 M91	Clamp Assembly, Distributor.....	1
50	760 001 M2	"O" Ring, Distributor.....	1

Notes: (A) - Used prior to Tractor Serial Numbers (Single Clutch) 166 768; (Dual Clutch) 167 258, also used 167 806 thru 168 318 and 168 340 thru 168 504.  
 (B) - For repairs order 1 each of 1017 341 M1 and 1024 924 M91.

## GENERATOR





# GENERATOR

(12 VOLT - GAS)

(SOLID TYPE)

(USED TRACTOR SERIAL NUMBER 161 250 AND UP)

99

Ref. No.	Part No.	Description	No. Req.
1	182 455 M91	Generator Assembly.....	1
2	1 750 422 M91	Head Assembly, Comm. End.....	1
3	1 750 415 M1	Bushing.....	1
4	1 750 394 M1	Pin, Head Locating.....	1
5	1 750 460 M1	Oiler.....	1
6	1 022 604 M1	Wick, Oil.....	1
7	1 750 425 M1	Pin, Brush Hinge (Grounded).....	1
8	1 750 426 M1	Pin, Brush Stop (Grounded).....	1
9	1 750 414 M1	Pin, Brush Hinge (Insulated).....	1
10	1 750 413 M1	Pin, Brush Stop (Insulated).....	1
11	1 750 398 M1	Holder, Brush.....	1
12	1 750 399 M1	Spring, Brush Tension (3rd and Ground).....	3
13	1 750 400 M1	Spring, Brush (Main).....	2
14	1 754 247 M1	Brush Assembly.....	1
15	363 575 X1	Screw, Brush Attaching.....	3
16	195 441 M1	Washer, Lock.....	3
17	1 750 395 M1	Washer, Flat.....	3
18	1 750 401 M1	Lead, Brush Ground.....	3
19	363 585 X1	Screw, Lead Attaching.....	1
20	195 441 M1	Washer, Lock.....	2
21	1 750 402 M1	Plate, 3rd Brush.....	1
22	1 750 403 M1	Spring, Washer.....	1
23	1 750 397 M1	Screw, Spring Washer.....	1
24	1 750 428 M1	Clamp, Brush Plate.....	1
25	363 577 X1	Screw, Clamp.....	1
26	353 445 X1	Washer, Lock.....	1
27	1 038 526 M1	Plate, Cover, Head.....	1
28	1 750 423 M1	Gasket, Cover Plate.....	1
29	363 576 X1	Screw, Cover Plate.....	1
30	22 425 X	Washer, Lock.....	3
35	1 751 879 M91	Coil Assembly, Field.....	3
36	1 750 869 M1	Stud, Field Terminal.....	1
37	1 751 478 M1	Clip, Terminal.....	1
38	1 750 516 M1	Insulation, Coil.....	1
39	1 750 444 M91	Stud Assembly, Armature Terminal.....	2
40	1 751 478 M1	Clip, Stud.....	1
41 (A)		Bushing, Stud Insulating.....	1
42 (A)		Washer, Stud Insulating.....	2
43	1 750 465 M1	Washer, Stud.....	2
44	375 142 X1	Washer, Lock.....	2
45	357 516 X1	Nut, Terminal.....	2
46	363 710 X1	Screw, Pole Shoes.....	2
47	1 751 878 M91	Armature Assembly.....	2
48	1 750 441 M91	Head Assembly, Drive End.....	1
49	1 501 962 M1	Oiler, Head.....	1
50	1 750 396 M1	Pin, Head Locating.....	1
51	1 500 195 M1	Washer, Felt.....	1
52	1 750 429 M1	Retainer, Felt Washer.....	1
53	834 015 M1	Bearing, Ball.....	1
54	1 750 504 M1	Plate, Bearing Retainer.....	1
55	1 750 505 M1	Gasket, Retainer Plate.....	1
56	1 022 316 M1	Screw, Plate to Head.....	1
57	353 445 X1	Washer, Lock.....	3
58	1 750 404 M1	Washer, Armature Thrust.....	1
59	1 754 878 M1	Pulley, Drive.....	3
60	355 465 X1	Key, Pulley.....	1
61	1 750 424 M1	Spacer, Pulley.....	1
62	1 754 245 M1	Washer, Lock.....	1
63	1 006 935 M1	Nut, Pulley Retaining.....	1
64	1 032 399 M1	Bolt, Thru.....	1
65	19 752 X	Washer, Lock, Thru Bolt.....	2
66	1 750 452 M91	Band Assembly, Cover, Comm. End.....	2
67	22 774 X	Screw, Band.....	1
68	358 990 X1	Nut, Cover Band Screw.....	1
72	187 210 M1	Bracket, Generator Mounting.....	1
73	181 539 M1	Strap, Generator Adjusting.....	1
74	181 540 M1	Bolt (5/16 x 5/8" NC, Hex.).....	1
75	353 520 X1	Bolt (5/16 x 1-1/8" NF, Hex.).....	x
76	353 446 X1	Washer (5/16" Lock).....	x
77	353 916 X1	Nut (5/16" NF, Hex.).....	x
78	353 698 X1	Bolt (7/16 x 1" NC, Hex.).....	x
79	353 432 X1	Washer (7/16" Lock).....	x

Notes: (A) - For repairs order (1) 1032 397 M91 Stud Assembly.



# GENERATOR

101

(12 VOLT - GAS)

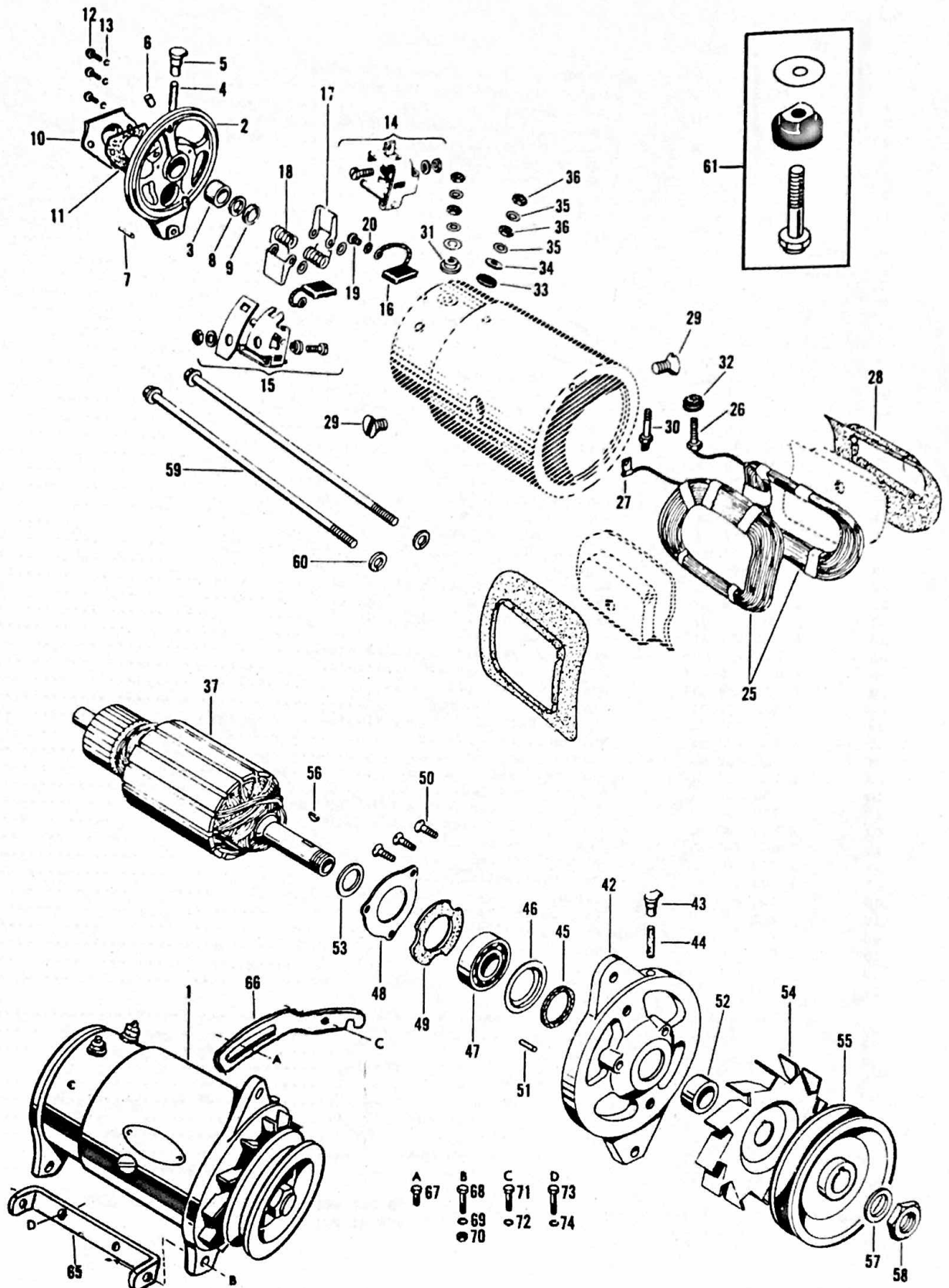
(VENTILATED TYPE)

Ref. No.	Part No.	Description	No. Req.
1 (A)	185 983 M91	Generator Assembly (Standard Models).....	1
1 (A)	185 984 M91	Generator Assembly (Special Models).....	1
2	1 754 547 M91	Head Assembly, Comm. End.....	1
3	1 009 710 M1	Bushing (9/16 x 25/32 x 11/16").....	1
4	1 022 604 M1	Wick, Oiler.....	1
5	1 509 759 M1	Oiler, Head.....	1
6	1 750 394 M1	Dowel, Head Locating (1/8 x 3/8").....	1
7	1 754 548 M1	Washer, End Felt.....	1
8	1 754 549 M1	Cup, Felt Washer Retainer.....	1
9	1 750 431 M1	Cover, End Bearing.....	1
10	1 750 423 M1	Gasket, End Cover.....	2
11	1 750 484 M1	Screw, Cover (#8 x 7/16" NC, Special).....	3
12	22 425 X	Washer (#8 Lock).....	3
13	1 028 574 M91	Holder Assembly, Brush (Grounded).....	1
14	1 028 575 M91	Holder Assembly, Brush (Insulated).....	1
15	1 754 877 M91	Brush Assembly.....	2
16	1 028 573 M1	Arm, Brush.....	2
17	1 009 707 M1	Spring, Brush Pressure.....	2
18	1 009 708 M1	Washer, Arm Spacer (3/16 x 23/64 x 1/32").....	2
19	358 678 X1	Screw, Brush Lead (#6 x 1/4" NC, Rd. Hd.).....	2
20	1 750 496 M1	Washer (#6 Lock).....	2
21	1 009 702 M91	Coil Assembly, Field.....	1
22	1 023 759 M1	Stud, Field Terminal.....	1
23	1 031 109 M1	Clip, Terminal Stud.....	1
24	1 750 516 M1	Insulation, Field Coil.....	2
25	1 750 435 M1	Screw, Pole Shoes.....	2
26	1 028 572 M1	Stud, Armature Terminal.....	1
27	1 009 701 M1	Bushing, Insulating, Armature Stud.....	1
28	1 750 480 M1	Bushing, Insulating, Field Stud.....	1
29	1 750 443 M1	Washer, Insulating, Field Stud.....	1
30	1 750 465 M1	Washer, Terminal Stud (Flat).....	2
31	1 750 497 M1	Washer, Terminal Stud (Lock).....	4
32	1 750 371 M1	Nut, Terminal Stud.....	4
33	1 751 878 M91	Armature Assembly (Standard Model).....	1
33	1 014 564 M91	Armature Assembly (Special Model).....	1
34	1 028 729 M91	Head Assembly, Drive End.....	1
35	1 009 711 M1	Oiler, Head.....	1
36	1 750 405 M1	Washer, Drive End, Inner (Felt).....	1
37	1 750 429 M1	Retainer, Felt Washer.....	1
38	832 960 M3	Bearing, Ball.....	1
39	1 750 504 M1	Retainer, Ball Bearing.....	1
40	1 750 505 M1	Gasket, Retainer.....	1
41	1 750 494 M1	Screw, Retainer (#10 x 7/16" NF, Special).....	3
42	1 750 396 M1	Pin, Head Locating (3/16 x 5/16").....	1
43	1 009 722 M1	Spacer, Pulley and Fan.....	1
44	1 750 404 M1	Washer, Spacer.....	1
45	1 009 727 M1	Fan, Ventilating.....	1
46	1 754 878 M1	Pulley.....	1
47	355 465 X1	Key, Pulley (1/8 x 5/8" Woodruff).....	1
48	1 754 245 M1	Washer, Pulley (Lock).....	1
49	1 006 935 M1	Nut, Pulley.....	1
50	1 750 417 M1	Bolt, Generator Thru.....	2
51	1 750 370 M1	Washer, Thru Bolt (Lock).....	2
56	187 210 M1	Bracket, Generator Mounting.....	1
57	185 986 M1	Strap, Generator Adjusting.....	1
58	181 540 M1	Bolt (5/16 x 5/8" NC, Hex.).....	x
59	353 520 X1	Bolt (5/16 x 1-1/8" NF, Hex.).....	x
60	353 446 X1	Washer (5/16" Lock).....	x
61	353 916 X1	Nut (5/16" NF, Hex.).....	x
62	353 689 X1	Bolt (3/8 x 3/4" NC, Hex.).....	x
63	353 434 X1	Washer (3/8" Lock).....	x
64	353 698 X1	Bolt (7/16 x 1" NC, Hex.).....	x
65	353 432 X1	Washer (7/16" Lock).....	x

Note: (A) - For repairs order Service Replacement 509 057 M91 Generator (See Page 107)  
and 1 each of 1007 727 M1 Arm and 1754 878 M1 Pulley.

## GENERATOR

F 1013-2





## GENERATOR

103

(12 VOLT - GAS)

(VENTILATED TYPE)

Ref. No.	Part No.	Description	No. Req.
1 (A)	193 516 M91	Generator Assembly (Delco-Remy #1100-435) (See Note).....	1
2	1 754 547 M91	Head Assembly, Commutator End.....	1
3	1 009 710 M1	Bushing (9/16 x 25/32 x 11/16").....	1
4	1 022 604 M1	Wick, Oil.....	1
5	1 509 759 M1	Oiler, Reservoir.....	1
6	1 750 870 M1	Plug, Oil Wick Hole.....	1
7	1 750 394 M1	Pin, Head Locating (1/8 x 3/8").....	1
8	1 754 548 M1	Washer, Felt.....	1
9	1 754 549 M1	Retainer, Felt Washer.....	1
10	1 750 431 M1	Cover, End Bearing.....	1
11	1 750 423 M1	Gasket, End Bearing Cover.....	2
12	363 576 X1	Screw, Cover Retaining (#8 x 7/16" NC, Rd. Hd.).....	3
13	353 444 X1	Washer (#8 Lock).....	3
14	1 028 574 M91	Holder Assembly, Brush (Grounded).....	1
15	1 028 575 M91	Holder Assembly, Brush (Insulated).....	1
16	1 754 877 M91	Brush Assembly.....	2
17	1 028 573 M1	Arm, Brush.....	2
18	1 009 707 M1	Spring, Brush Pressure.....	2
19	353 567 X1	Screw, Brush Lead Attaching (#6 x 1/4" NC, Rd. Hd.).....	2
20	195 441 M1	Washer (#6 Lock).....	2
25	1 009 702 M91	Coil Assembly, Field.....	1
26 (B)		Stud, Field Terminal.....	1
27	1 031 109 M1	Clip, Armature Terminal.....	1
28	1 750 516 M1	Insulation, Field.....	2
29	363 710 X1	Screw, Pole Shoe.....	2
30	1 028 572 M1	Stud, Armature Terminal.....	1
31	1 009 701 M1	Bushing, Insulating Armature Stud (3/Smooth Surface).....	1
32 (B)		Bushing, Insulating, Field Stud (w/Recess Machine Hd. Surface)....	1
33 (B)		Washer, Insulating, Field Stud (1/4 x 21/32 x 3/32").....	1
34	1 750 465 M1	Washer, Terminal Stud (1/4 x 9/16 x 1/32").....	2
35	375 142 X1	Washer, Terminal Studs (#12 Lock).....	4
36	375 516 X1	Nut, Terminal Studs (#12 NC, Hex.).....	4
37	1 022 601 M91	Armature Assembly.....	1
42	1 028 729 M91	Head Assembly, Drive End.....	1
43	1 509 759 M1	Oiler, Reservoir.....	1
44	1 009 721 M1	Wick, Oil.....	1
45	1 500 195 M1	Washer, Drive End Bearing (Felt).....	1
46	1 750 429 M1	Retainer, Felt Washer.....	1
47	354 354 X1	Bearing, Ball, Drive End.....	1
48	1 750 504 M1	Retainer, Ball Bearing.....	1
49	1 750 505 M1	Gasket, Bearing Retainer.....	1
50	1 022 316 M1	Screw, Bearing Retainer (#10 x 7/16" NF, Special).....	3
51	1 750 396 M1	Pin, Head Locating (3/16 x 5/16").....	1
52	1 009 722 M1	Spacer, Pulley and Fan.....	1
53	1 750 404 M1	Washer, Spacer.....	1
54	1 009 727 M1	Fan, Ventilating.....	1
55	1 754 878 M1	Pulley.....	1
56	355 465 X1	Key, Pulley (1/8 x 5/8" Woodruff).....	1
57	1 754 245 M1	Washer, Pulley.....	1
58	1 006 935 M1	Nut, Pulley Retaining.....	1
59	1 032 399 M1	Bolt, Generator Thru.....	2
60	19 752 X	Washer, Thru Bolt.....	2
61 (C)	1 032 397 M91	Stud Assembly, Field Terminal.....	x
65	187 210 M1	Bracket, Generator Mounting.....	1
66	185 986 M1	Strap, Generator Adjusting.....	1
67	181 540 M1	Bolt (5/16 x 5/8" NC, Hex.).....	x
68	353 520 X1	Bolt (5/16 x 1-1/8" NF, Hex.).....	x
69	353 446 X1	Washer (5/16" Lock).....	x
70	353 916 X1	Nut (5/16" NF, Hex.).....	x
71	353 689 X1	Bolt (3/8 x 3/4" NC, Hex.).....	x
72	353 434 X1	Washer (3/8" Lock).....	x
73	353 698 X1	Bolt (7/16 x 1" NC, Hex.).....	x
74	353 432 X1	Washer (7/16" Lock).....	x

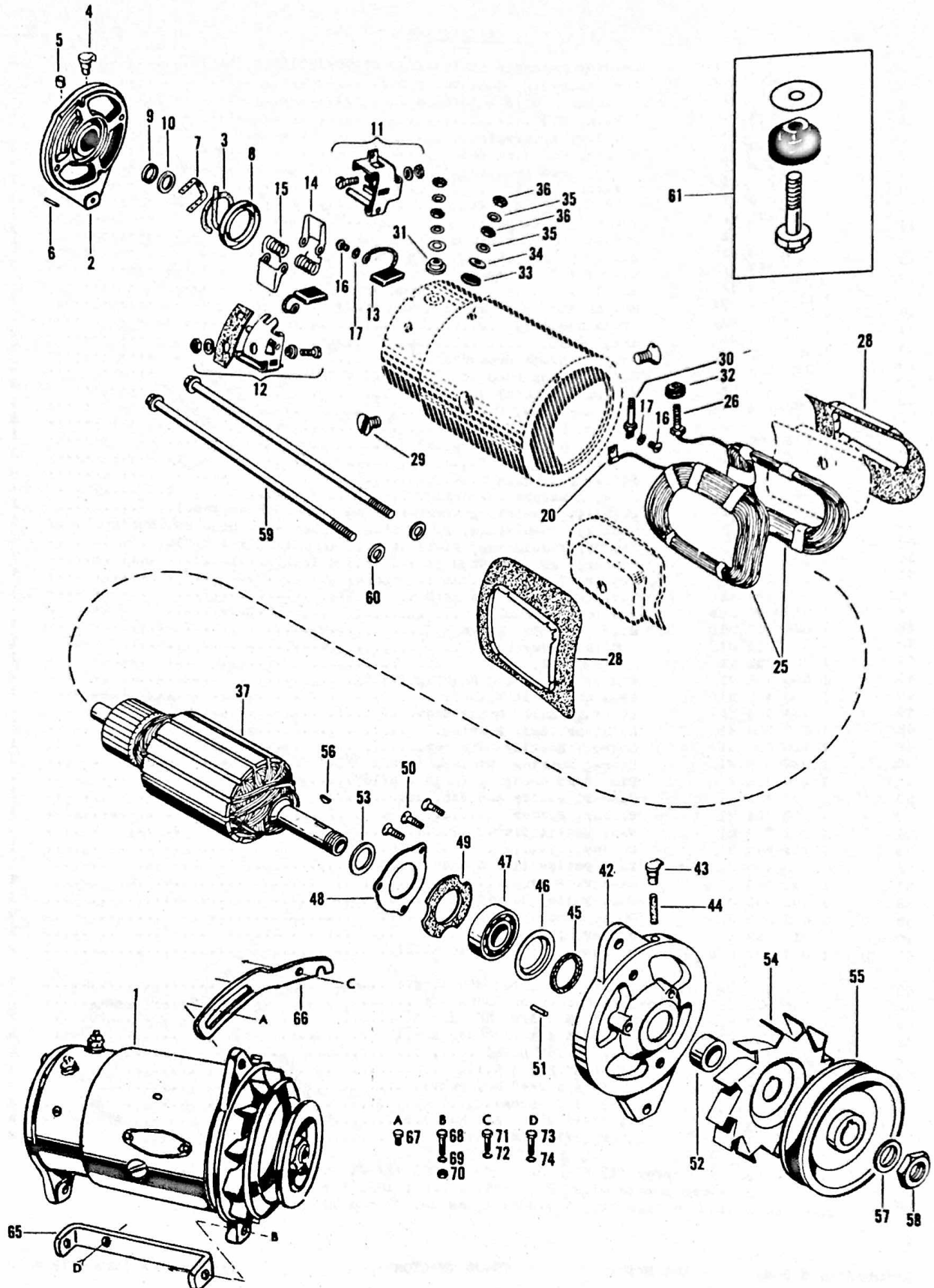
Notes: (A) - For repairs order (1) 509 057 M91 (1) 1009 727 M1 and (1) 1754 878 M1.

(B) - Not serviced separately. For repairs order 1032 397 M91, item 61.

(C) - Field Stud Service Kit, includes items 26, 32 and 33.

## GENERATOR

F1014-3



# GENERATOR

105

(12 VOLT - GAS)

(VENTILATED TYPE)

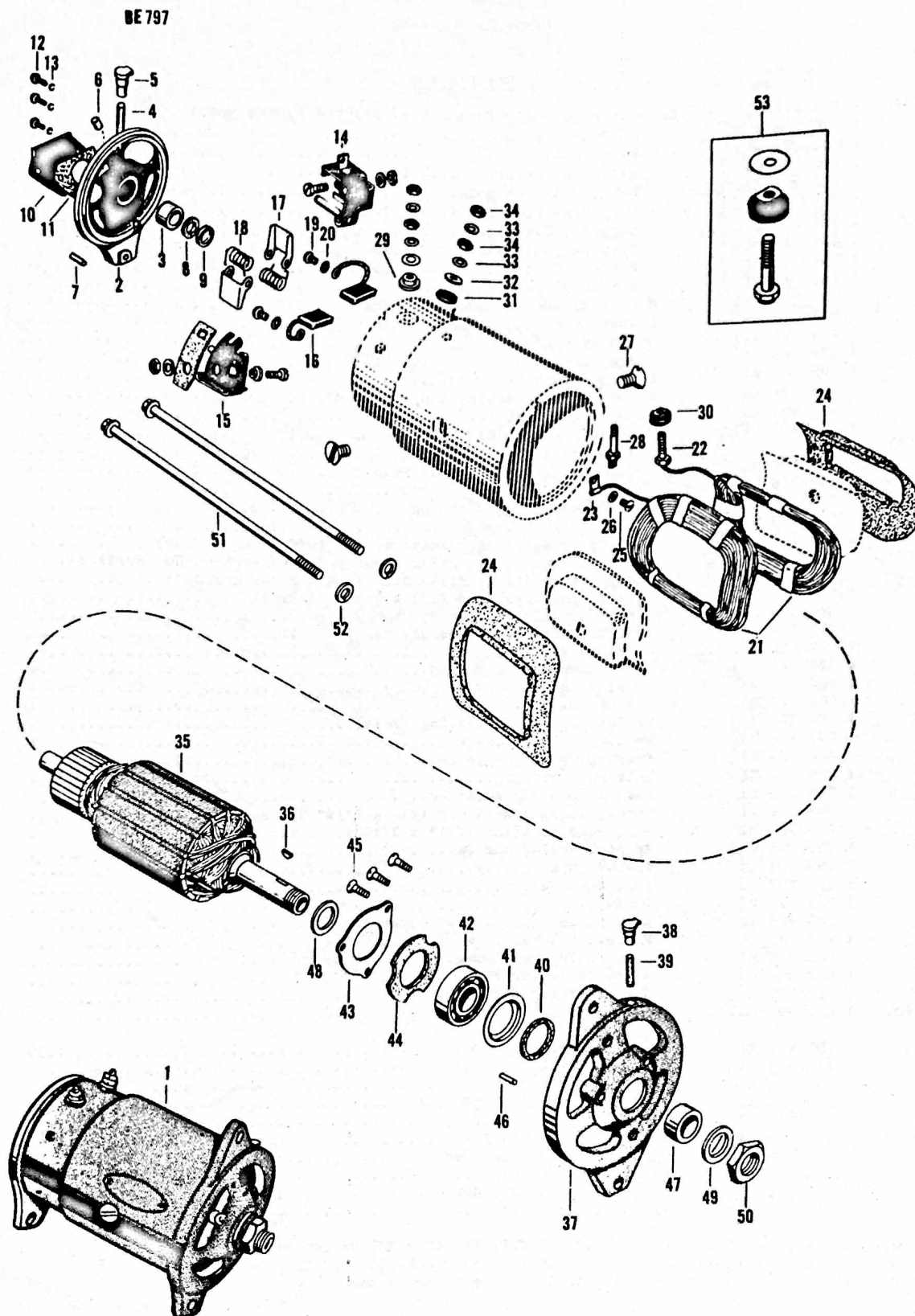
Ref. No.	Part No.	Description	No. Req.
1 (A)	193 517 M91	Generator Assembly (Delco-Remy #1100-436)(See Note).....	1
2	1 030 920 M91	Head Assembly, Comm. End.....	1
3	1 022 604 M1	Wick, Oil.....	1
4	1 750 460 M1	Oiler, Reservoir.....	1
5	1 750 870 M1	Plug, Oil Wick Hole.....	1
6	1 750 394 M1	Pin, Head Locating (1/8 x 3/8").....	1
7	1 023 694 M1	Support, Oil Wick.....	1
8	1 023 693 M1	Retainer, Oil Wick.....	1
9	1 754 548 M1	Washer, Felt.....	1
10	1 754 549 M1	Retainer, Felt Washer.....	1
11	1 028 574 M91	Holder Assembly, Brush (Grounded).....	1
12	1 028 575 M91	Holder Assembly, Brush (Insulated).....	1
13	1 754 877 M91	Brush Assembly.....	2
14	1 028 573 M1	Arm, Brush.....	2
15	1 009 707 M1	Screw, Brush Pressure.....	2
16	363 567 X1	Screw, Lead Attaching (#6 x 1/4" NC, Rd. Hd.).....	2
17	195 441 M1	Washer (#6 Lock).....	2
25	1 009 702 M91	Coil Assembly, Field.....	1
26 (B)		Stud, Field Terminal.....	1
27	1 031 109 M1	Clip, Armature Terminal Stud.....	1
28	1 750 516 M1	Insulation, Field.....	2
29	363 710 X1	Screw, Pole Shoe Retaining.....	2
30	1 028 572 M1	Stud, Armature Terminal.....	1
31	1 009 701 M1	Bushing, Insulating, Armature Stud (w/Smooth Surface).....	1
32 (B)		Bushing, Insulating, Field Stud (w/Recess Machine Hd. Surface)....	1
33 (B)		Washer, Insulating, Field Stud (1/4 x 21/32 x 3/32").....	1
34	1 750 465 M1	Washer, Terminal Stud (1/4 x 9/16 x 1/32").....	2
35	375 142 X1	Washer, Terminal Stud (#12 Lock).....	4
36	357 516 X1	Nut, Terminal Stud (#12 NC, Hex.).....	4
37	1 022 600 M91	Armature Assembly.....	1
42	1 028 729 M91	Head Assembly, Drive End.....	1
43	1 509 759 M1	Oiler, Reservoir.....	1
44	1 009 721 M1	Wick, Oil.....	1
45	1 500 195 M1	Washer, Drive End Bearing (Felt).....	1
46	1 750 429 M1	Retainer, Felt Washer.....	1
47	354 354 X1	Bearing, Ball, Drive End.....	1
48	1 750 504 M1	Retainer, Bearing.....	1
49	1 750 505 M1	Gasket, Bearing Retainer.....	1
50	1 022 316 M1	Screw, Bearing Retainer (#10 x 7/16" NF, Special).....	3
51	1 750 396 M1	Pin, Head Locating (3/16 x 5/16").....	1
52	1 009 722 M1	Spacer, Pulley and Fan.....	1
53	1 750 404 M1	Washer, Spacer.....	1
54	1 009 727 M1	Fan, Ventilating.....	1
55	1 754 878 M1	Pulley.....	1
56	355 465 X1	Key, Pulley (1/8 x 5/8" Woodruff).....	1
57	1 754 245 M1	Washer, Pulley.....	1
58	1 006 935 M1	Nut, Pulley Retaining.....	1
59	1 032 399 M1	Bolt, Generator Thru.....	2
60	19 752 X	Washer, Thru Bolt.....	2
61 (C)	1 032 397 M91	Stud Assembly, Field Terminal.....	x
65	187 210 M1	Bracket, Generator Mounting.....	1
66	185 986 M1	Strap, Generator Adjusting.....	1
67	181 540 M1	Bolt (5/16 x 5/8" NC, Hex.).....	x
68	353 520 X1	Bolt (5/16 x 1-1/8" NF, Hex.).....	x
69	353 446 X1	Washer (5/16" Lock).....	x
70	353 916 X1	Nut (5/16" NF, Hex.).....	x
71	353 689 X1	Bolt (3/8 x 3/4" NC, Hex.).....	x
72	353 434 X1	Washer (3/8" Lock).....	x
73	353 698 X1	Bolt (7/16 x 1" NC, Hex.).....	x
74	353 432 X1	Washer (7/16" Lock).....	x

Notes: (A) - For repairs order (1) 509 057 M91, (1) 1009 727 M1 and (1) 1754 878 M1.

(B) - Not serviced Separately. For repairs order 1032 397 M91, item 61.

(C) - Field Stud Service Kit, includes items 26, 32 and 33.

## GENERATOR





# GENERATOR

107

(12 VOLT - GAS)

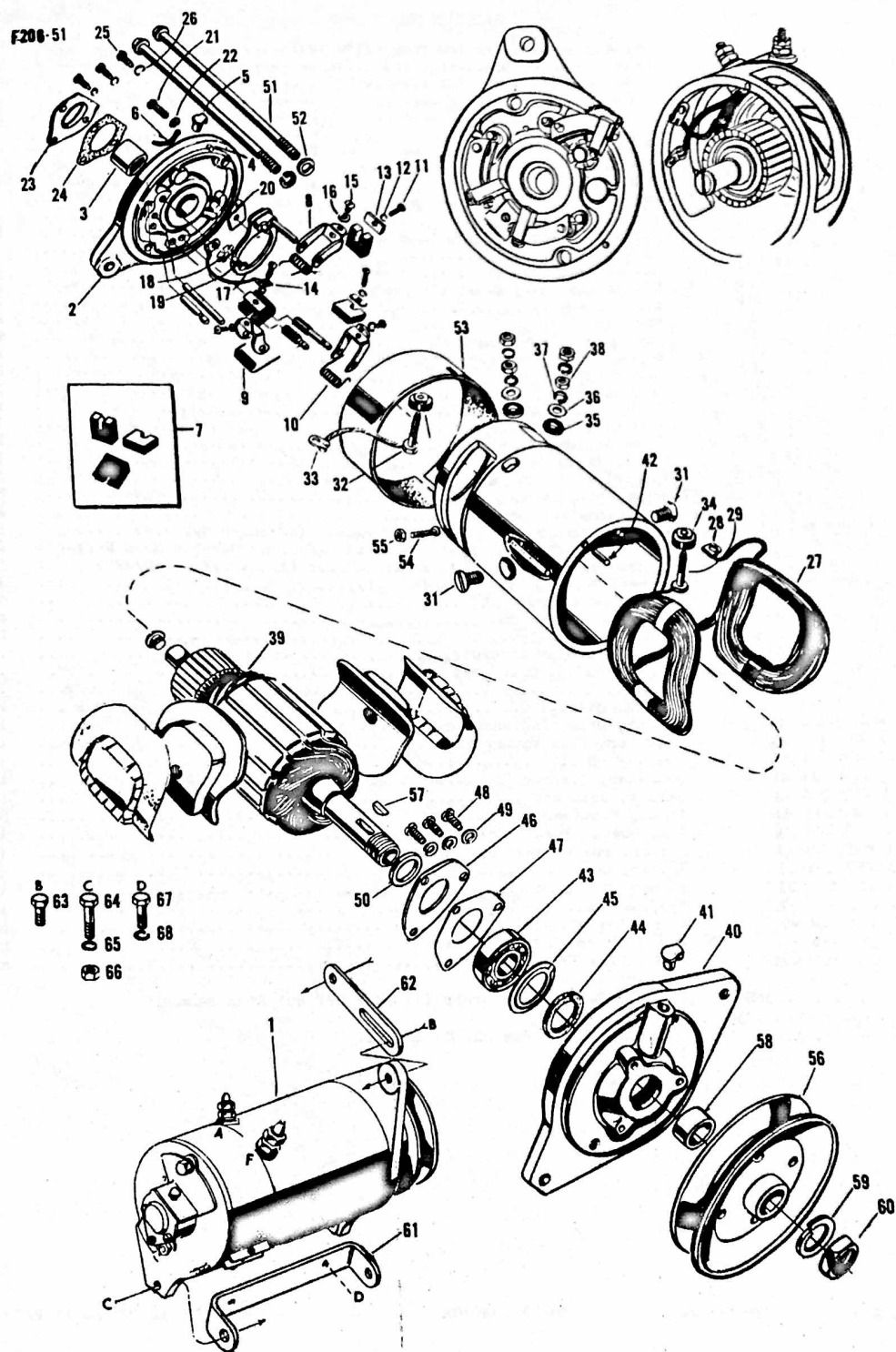
(NEVER USED IN PRODUCTION - USED ONLY AS A SERVICE REPLACEMENT)

Ref. No.	Part No.	Description	No. Req.
1	509 057 M91	Generator Assembly (Delco-Remy #1100 439).....	1
2	1 754 547 M91	Head Assembly, Commutator End.....	1
3	1 009 710 M1	Bushing (9/16 x 25/32 x 11/16").....	1
4	1 022 604 M1	Wick, Oil.....	1
5	1 509 759 M1	Oiler.....	1
6	1 750 870 M1	Plug, Oil Wick Hole.....	1
7	1 750 394 M1	Pin, Dowel, Head Locating.....	1
8	1 754 548 M1	Washer, Felt.....	1
9	1 754 549 M1	Retainer, Felt.....	1
10	1 038 526 M1	Cover, End Bearing.....	1
11	1 750 423 M1	Gasket, End Cover.....	1
12	363 576 X1	Screw, Brush Lead (#8 - 32 x 7/16" Rd. Sltd. Hd.).....	3
13	353 444 X1	Washer (#8 Lock).....	3
14	1 028 574 M91	Holder Assembly, Brush (Grounded).....	1
15	1 028 575 M91	Holder Assembly, Brush (Insulated).....	1
16	1 754 877 M91	Brush Assembly.....	2
17	1 028 573 M1	Arm, Brush.....	2
18	1 009 707 M1	Spring, Brush Pressure.....	2
19	363 567 X1	Screw, Brush Lead (#6 x 1/4" Rd. Sltd. Hd.).....	2
20	195 441 M1	Washer (#6 Lock).....	2
21	1 009 702 M91	Coil Assembly, Field.....	1
22 (A)		Stud, Field Terminal.....	1
23	1 031 109 M1	Clip, Terminal.....	1
24	1 750 516 M1	Insulation, Field Coil.....	2
25	1 509 765 M1	Screw, Field Ground.....	1
26	353 441 X1	Washer, Ground Screw.....	1
27	363 710 X1	Screw, Pole Shoe.....	2
28	1 028 572 M1	Stud, Armature Terminal.....	1
29	1 009 701 M1	Bushing, Insulating, Armature Terminal (w/Smooth Surface).....	1
30 (A)		Bushing, Insulating, Field Terminal (w/Recess Machine Head Surface).....	1
31 (A)		Washer, Insulating, Field Terminal Stud (1/4 x 21/32 x 3/32").....	1
32	353 754 X1	Washer, Terminal Studs (1/4" Flat).....	2
33	375 142 X1	Washer (#12 Lock).....	4
34	357 516 X1	Nut (#12 NC, Hex.).....	4
35	1 022 601 M91	Armature Assembly.....	1
36	355 465 X1	Key (1/8 x 5/8" Woodruff).....	1
37	1 028 729 M91	Head Assembly, Drive End.....	1
38	1 509 759 M1	Oiler.....	1
39	1 009 721 M1	Wick, Oil.....	1
40	1 500 195 M1	Washer, Drive End Bearing (Felt).....	1
41	1 750 429 M1	Retainer, Felt Washer.....	1
42	354 354 X1	Bearing, Ball.....	1
43	1 750 504 M1	Retainer, Bearing.....	1
44	1 750 505 M1	Gasket, Retainer.....	1
45	1 022 316 M1	Screw, Retainer (#10 x 7/16" NF, Rd. Sltd. Hd.).....	3
46	1 750 396 M1	Pin, Dowel, Head Locating.....	1
47	1 009 722 M1	Spacer, Pulley and Fan.....	1
48	1 750 404 M1	Washer, Spacer.....	1
49	1 754 245 M1	Washer, Nut Lock.....	1
50	1 006 935 M1	Nut, Pulley.....	1
51	1 032 399 M1	Bolt, Thru.....	2
52	353 446 X1	Washer, Thru Bolt (5/16" Lock).....	2
53 (B)	1 032 397 M91	Stud Assembly, Field Terminal.....	x

Notes: (A) - Not serviced separately. For repairs order (1) 1032 397 M91 Stud Assembly.  
(See Item 53).

(B) - Field Stud Service Kit includes items 22, 30 and 31.

## GENERATOR



# GENERATOR

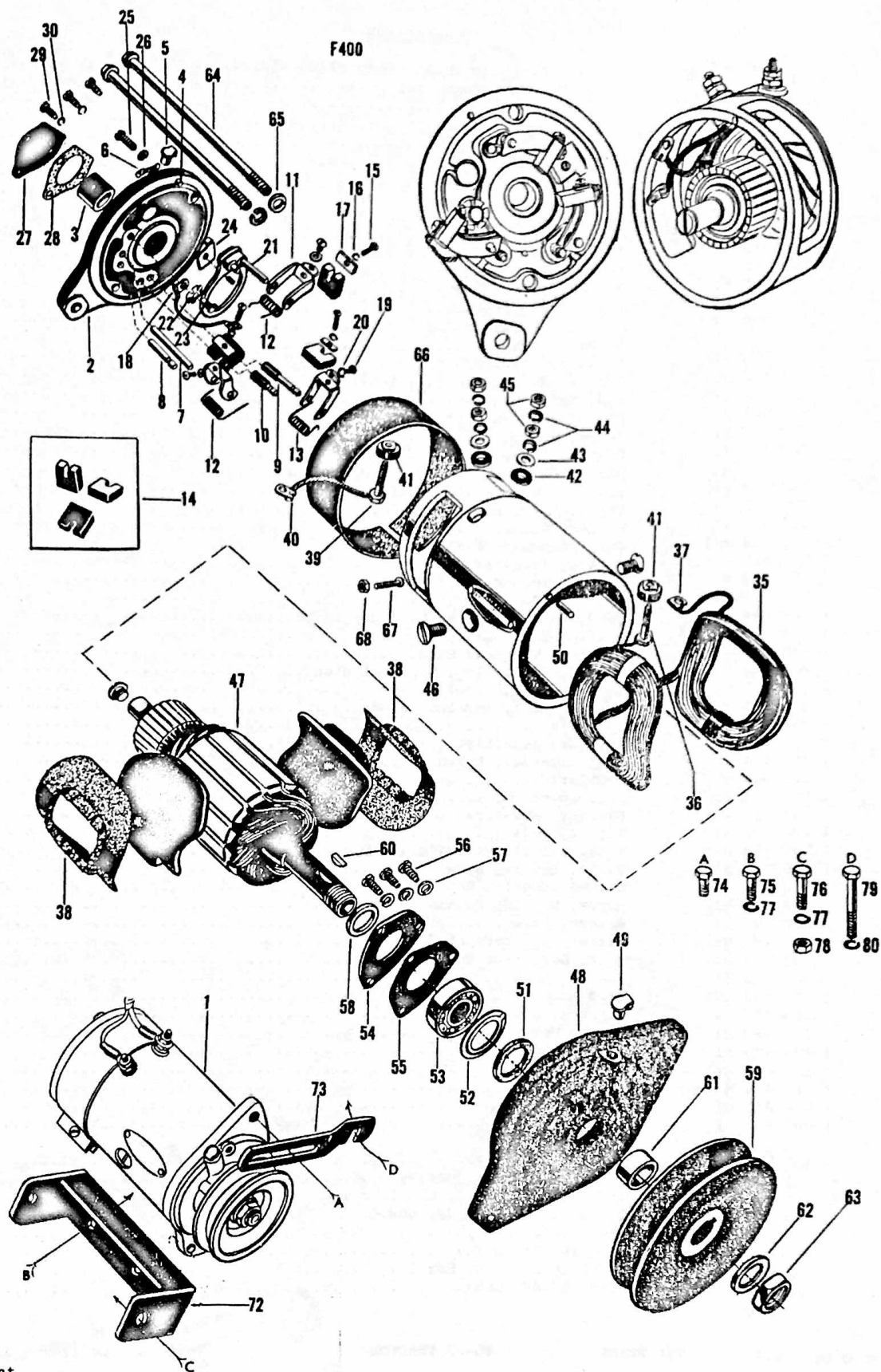
109

(6 VOLT - GAS)

(USED PRIOR TO TRACTOR SERIAL NUMBER 161 250)

	Part No.	Description	No. Req.
1	281 524 M91	Generator Assembly (Delco-Remy #1100 530).....	1
2	1 750 422 M91	Head Assembly, Comm. End.....	1
3	1 750 415 M1	Bushing.....	1
4	1 750 394 M1	Pin, Dowel.....	1
5	1 750 460 M1	Oiler.....	1
6	1 022 604 M1	Wick, Oil.....	1
7	1 750 463 M91	Brush Kit.....	1
8	1 750 398 M1	Holder, Brush.....	3
9	1 750 399 M1	Spring, Brush (3rd and Ground).....	2
10	1 750 400 M1	Spring, Brush (Main).....	1
11	363 575 X1	Screw, Brush Attaching.....	3
12	395 444 M1	Washer, Lock.....	3
13	1 750 395 M1	Washer, Flat.....	3
14	1 750 401 M1	Lead, Brush Ground.....	1
15	363 585 X1	Screw, Lead Attaching.....	2
16	195 441 M1	Washer, Lock.....	2
17	1 750 402 M1	Plate and Pin, 3rd Brush.....	1
18	1 750 403 M1	Spring, 3rd Brush Plate Tension.....	1
19	1 750 397 M1	Pin, Tension Spring.....	1
20	1 750 428 M1	Clamp, 3rd Brush Plate.....	1
21	363 577 X1	Screw, Clamp.....	1
22	353 445 X1	Washer, Lock.....	1
23	1 038 526 M1	Plate, Head Cover, Comm. End.....	1
24	1 750 423 M1	Gasket, Cover Plate.....	1
25	363 576 X1	Screw, Cover Plate.....	3
26	353 444 X1	Washer, Lock.....	3
27	1 750 512 M91	Coil Assembly, Field.....	1
28	1 751 478 M1	Clip, Terminal.....	1
29	1 750 869 M1	Stud, Terminal.....	1
30	363 710 X1	Screw, Pole Shoe.....	2
31	1 750 444 M91	Stud and Lead Assembly, Armature Terminal.....	1
32	1 751 478 M1	Clip, Terminal.....	1
33	1 750 480 M1	Bushing, Terminal Stud.....	2
34	1 750 443 M1	Washer, Insulating, Terminal Stud.....	2
35	1 750 465 M1	Washer, Flat, Terminal Stud.....	2
36	1 750 497 M1	Washer, Lock, Terminal Stud.....	4
37	1 750 371 M1	Nut, Hex.....	4
38	1 751 042 M91	Armature Assembly.....	1
39	1 750 441 M91	Head Assembly, Drive End.....	1
40	1 501 962 M1	Oiler.....	1
41	1 750 396 M1	Pin, Dowel.....	1
42	834 015 M1	Bearing, Armature.....	1
43	1 750 405 M1	Washer, Felt.....	1
44	1 750 429 M1	Washer, Felt Retaining.....	1
45	1 750 504 M1	Plate, Bearing Retaining.....	1
46	1 750 505 M1	Gasket, Bearing Retaining Plate.....	1
47	1 022 316 M1	Screw, Bearing Retaining Plate.....	3
48	353 445 X1	Washer, Lock.....	3
49	1 750 404 M1	Washer, Armature Shaft Spacer.....	1
50	1 032 399 M1	Bolt, Generator Thru.....	2
51	353 446 X1	Washer, Lock.....	2
52	1 750 452 M91	Band Assembly, Comm. Cover.....	1
53	355 747 X1	Screw, Cover Band.....	1
54	358 990 X1	Nut, Hex.....	1
55	1 754 878 M1	Pulley, Drive.....	1
56	355 465 X1	Key, Woodruff.....	1
57	1 750 424 M1	Spacer, Pulley.....	1
58	1 754 245 M1	Washer, Lock.....	1
59	1 006 935 M1	Nut, Hex.....	1
60			
61	187 210 M1	Bracket, Generator.....	1
62	181 539 M1	Strap, Generator Adjusting.....	1
63	181 540 M1	Bolt (5/16 x 5/8" NC, Hex.).....	1
64	353 520 X1	Bolt (5/16 x 1-1/8" NF, Hex.).....	2
65	353 446 X1	Washer (5/16" Lock).....	2
66	353 916 X1	Nut (5/16" NF, Hex.).....	2
67	353 698 X1	Bolt (7/16 x 1" NC, Hex.).....	2
68	353 432 X1	Washer (7/16" Lock).....	2

## GENERATOR



1st Print



# GENERATOR

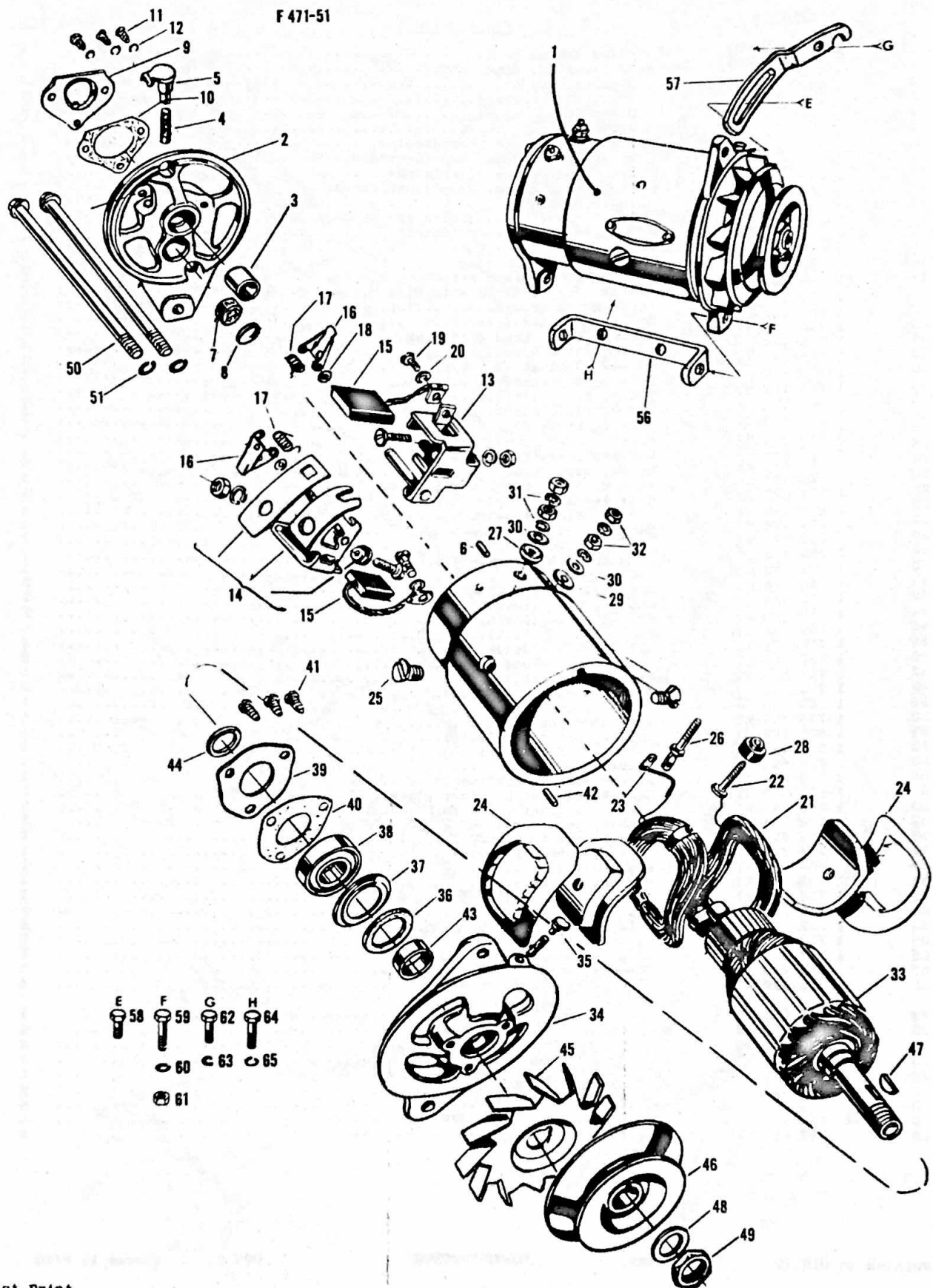
111

(STANDARD MOTORS DIESEL)

(SOLID TYPE)

Ref. No.	Part No.	Description	No. Req.
1	184 908 M91	Generator Assembly.....	1
2	1 750 422 M91	Head Assembly, Comm. End.....	1
3	1 750 415 M1	Bushing, Head.....	1
4	1 750 394 M1	Pin, Head Locating.....	1
5	1 750 460 M1	Oiler, Comm. End.....	1
6	1 750 392 M1	Wick, Oiler.....	1
7	1 750 425 M1	Pin, Brush Hinge (Grounded).....	1
8	1 750 426 M1	Pin, Brush Holder Stop (Grounded).....	1
9	1 750 414 M1	Pin, Brush Hinge (Insulated).....	1
10	1 750 413 M1	Pin, Brush Holder Stop (Insulated).....	1
11	1 750 398 M1	Holder, Brush.....	3
12	1 750 399 M1	Spring, Brush Tension (3rd and Ground).....	2
13	1 750 400 M1	Spring, Brush Tension (Main).....	1
14	1 754 247 M1	Brush Kit.....	1
15	1 751 041 M1	Screw, Brush Attaching.....	3
16	1 750 379 M1	Washer, Lock, Brush Attaching Screw.....	3
17	1 750 395 M1	Washer, Plain, Brush Attaching Screw.....	3
18	1 750 401 M1	Lead, Brush Ground.....	1
19	1 750 387 M1	Screw, Lead Attaching.....	2
20	1 750 496 M1	Washer, Lock, Lead Attaching Screw.....	2
21	1 750 402 M1	Plate, Third Brush.....	1
22	1 750 403 M1	Washer, Spring.....	1
23	1 750 397 M1	Pin, Spring Washer.....	1
24	1 750 428 M1	Clamp, Brush Plate.....	1
25	363 577 X1	Screw, Plate Clamp.....	1
26	353 445 X1	Washer, Lock, Clamp Plate Screw.....	1
27	1 750 431 M1	Plate, Cover, Comm. End.....	1
28	1 750 423 M1	Gasket, Cover Plate.....	1
29	1 750 484 M1	Screw, Cover Plate.....	3
30	22 425 X	Washer, Lock, Cover Plate Screw.....	3
35	1 751 879 M91	Coil Assembly, Field.....	1
36	1 750 869 M1	Stud, Field Terminal.....	1
37	1 751 478 M1	Clip, Terminal.....	1
38	1 750 516 M1	Insulation, Coil.....	2
39	1 750 444 M91	Stud Assembly, Armature Terminal.....	1
40	1 751 478 M1	Clip, Terminal.....	1
41	1 750 480 M1	Bushing, Stud (Insulating).....	2
42	1 750 443 M1	Washer, Stud (Insulating).....	2
43	1 750 465 M1	Washer, Stud (Plain).....	2
44	1 750 497 M1	Washer, Stud (Lock).....	4
45	1 750 371 M1	Nut, Terminal Studs.....	4
46	1 750 435 M1	Screw, Pole Shoes.....	2
47	1 751 878 M91	Armature Assembly.....	1
48	1 750 441 M91	Head Assembly, Drive End.....	1
49	1 750 460 M1	Oiler, Drive End.....	1
50	1 750 396 M1	Pin, Head Locating.....	1
51	1 500 195 M1	Washer, Drive End (Felt).....	1
52	1 750 429 M1	Retainer, Felt Washer.....	1
53	829 944 M1	Bearing, Ball.....	1
54	1 750 504 M1	Plate, Bearing Retainer.....	1
55	1 750 505 M1	Gasket, Bearing Retainer Plate.....	1
56	1 750 494 M1	Screw, Retainer Plate to Head.....	3
57	1 750 461 M1	Washer, Lock, Retainer Plate Screw.....	3
58	1 750 404 M1	Washer, Armature Thrust.....	1
59	1 754 246 M1	Pulley, Generator Drive.....	1
60	355 465 X1	Key, Pulley.....	1
61	1 750 424 M1	Spacer, Pulley.....	1
62	1 754 245 M1	Washer, Lock, Pulley.....	1
63	1 754 244 M1	Nut, Pulley Retaining.....	1
64	1 032 399 M1	Bolt, Generator Thru.....	2
65	1 750 370 M1	Washer, Lock, Thru Bolt.....	2
66	1 750 452 M91	Band Assembly, Cover, Comm. End.....	1
67	22 774 X	Screw, Band Retaining.....	1
68	358 990 X1	Nut, Cover Band Screw.....	1
72	184 925 M1	Bracket, Generator Mounting.....	1
73	184 926 M1	Strap, Generator Adjusting.....	1
74	181 540 M1	Bolt (5/16 x 5/8" NC, Hex.).....	x
75	353 677 X1	Bolt (5/16 x 3/4" NC, Hex.).....	x
76	353 520 X1	Bolt (5/16 x 1-1/8" NF, Hex.).....	x
77	353 446 X1	Washer (5/16" Lock).....	x
78	353 916 X1	Nut (5/16" NF, Hex.).....	x
79	354 272 X1	Bolt (3/8 x 2-7/8" NC, Hex.).....	x
80	353 434 X1	Washer (3/8" Lock).....	x

## GENERATOR



# GENERATOR

113

(STANDARD MOTORS DIESEL)

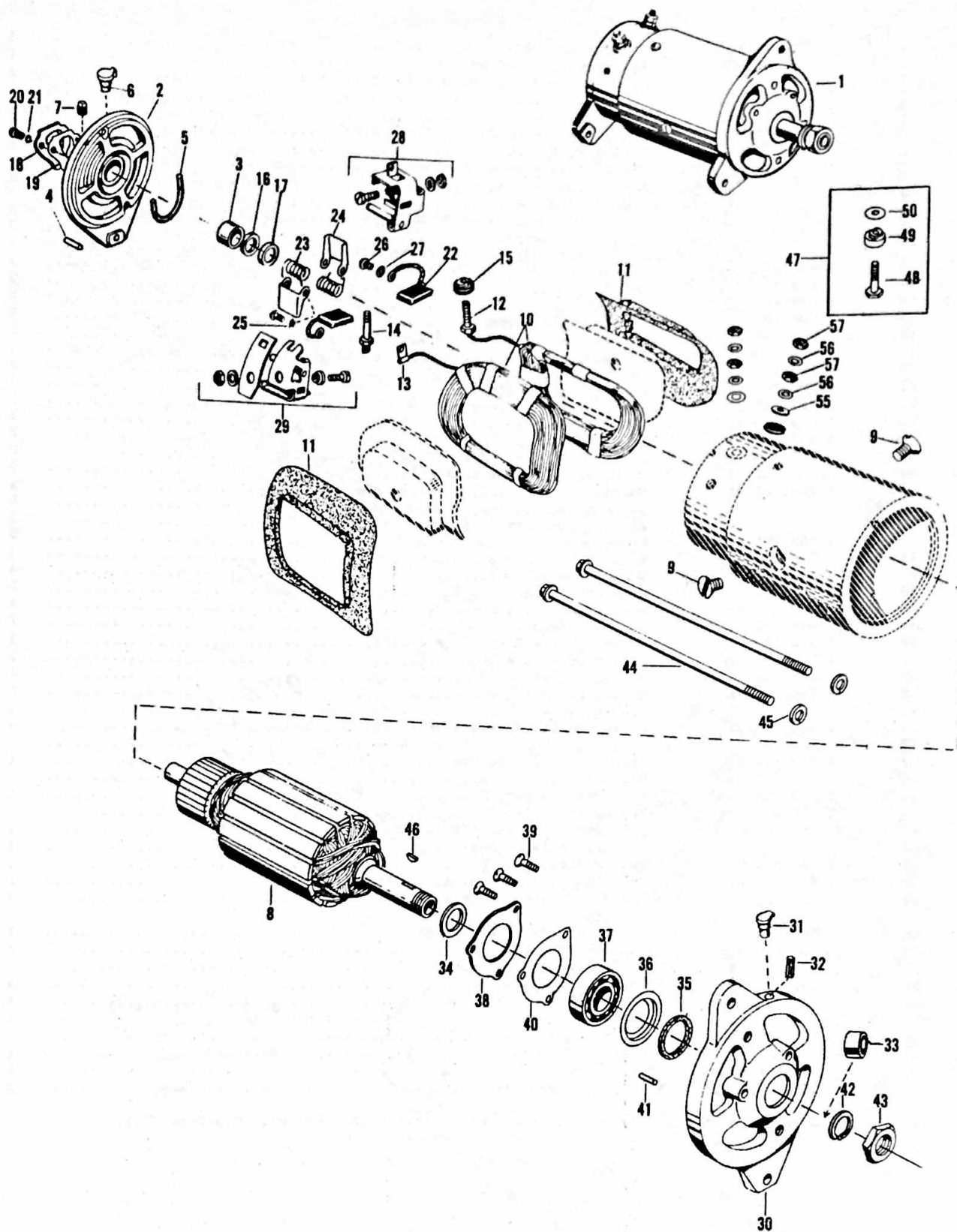
(VENTILATED TYPE)

Ref. No.	Part No.	Description	No. Req.
1 (A)	185 985 M91	Generator Assembly.....	1
2	1 754 547 M91	Head Assembly, Comm. End.....	1
3	1 009 710 M1	Bushing (9/16 x 25/32 x 11/16").....	1
4	1 022 604 M1	Wick, Oiler.....	1
5	1 509 759 M1	Oiler, Head.....	1
6	1 750 394 M1	Dowel, Head Locating (1/8 x 3/8").....	1
7	1 754 548 M1	Washer, End Felt.....	1
8	1 754 549 M1	Cup, Felt Washer Retainer.....	1
9	1 038 526 M1	Cover, End Bearing.....	1
10	1 750 423 M1	Gasket, End Cover.....	2
11	363 576 X1	Screw, Cover (#8 x 7/16" NC, Special).....	3
12	22 425 X	Washer (#8 Lock).....	3
13	1 028 574 M91	Holder Assembly, Brush (Grounded).....	1
14	1 028 575 M91	Holder Assembly, Brush (Insulated).....	1
15	1 754 877 M91	Brush Assembly.....	2
16	1 028 573 M1	Arm, Brush.....	2
17	1 009 707 M1	Spring, Brush Pressure.....	2
18	1 009 708 M1	Washer, Arm Spacer (3/16 x 23/64 x 1/32").....	2
19	358 678 X1	Screw, Brush Lead (#6 x 1/4" NC, Rd. Hd.).....	2
20	195 441 X1	Washer (#6 Lock).....	2
21	1 009 702 M91	Coil Assembly, Field.....	1
22	1 023 759 M1	Stud, Field Terminal.....	1
23	1 031 109 M1	Clip, Terminal Stud.....	1
24	1 750 516 M1	Insulation, Field Coil.....	2
25	363 710 X1	Screw, Pole Shoes.....	2
26	1 028 572 M1	Stud, Armature Terminal.....	1
27	1 009 701 M1	Bushing, Insulating, Armature Stud.....	1
28 (B)		Bushing, Insulating, Field Stud.....	1
29 (B)		Washer, Insulating, Field Stud.....	1
30	1 750 465 M1	Washer, Terminal Stud (Flat).....	2
31	375 142 X1	Washer, Terminal Stud (Lock).....	4
32	357 516 X1	Nut, Terminal Stud.....	4
33	1 014 564 M91	Armature Assembly.....	1
34	1 028 729 M91	Head Assembly, Drive End.....	1
35	1 009 711 M1	Oiler, Head.....	1
36	1 750 405 M1	Washer, Drive End, Inner (Felt).....	1
37	1 750 429 M1	Retainer, Felt Washer.....	1
38	832 960 M3	Bearing, Ball.....	1
39	1 750 504 M1	Retainer, Ball Bearing.....	1
40	1 750 505 M1	Gasket, Retainer.....	1
41	1 022 316 M1	Screw, Retainer (#10 x 7/16" NF, Special).....	3
42	1 750 396 M1	Pin, Head Locating (3/16 x 5/16").....	1
43	1 009 722 M1	Spacer, Pulley and Fan.....	1
44	1 750 404 M1	Washer, Spacer.....	1
45	1 009 727 M1	Fan, Ventilating.....	1
46	1 754 246 M91	Pulley Assembly.....	1
47	355 465 X1	Key, Pulley (1/8 x 5/8" Woodruff).....	1
48	1 754 245 M1	Washer, Pulley (Lock).....	1
49	1 754 244 M1	Nut, Pulley.....	1
50	1 750 417 M1	Bolt, Generator Thru.....	2
51	19 752 X	Washer, Thru Bolt (Lock).....	2
56	187 210 M1	Bracket, Generator Mounting.....	1
57	186 179 M1	Strap, Generator Adjusting.....	1
58	181 540 M1	Bolt (5/16 x 5/8" NC, Hex.).....	x
59	353 520 X1	Bolt (5/16 x 1-1/8" NF, Hex.).....	x
60	353 446 X1	Washer (5/16" Lock).....	x
61	353 916 X1	Nut (5/16" NF, Hex.).....	x
62	353 689 X1	Bolt (3/8 x 3/4" NC, Hex.).....	x
63	353 434 X1	Washer (3/8" Lock).....	x
64	353 698 X1	Bolt (7/16 x 1" NC, Hex.).....	x
65	353 432 X1	Washer (7/16" Lock).....	x

Notes: (A) - For repairs order Service Replacement Generator 1017 890 M91 (See Page 111).

(B) - For repairs order 1032 397 M91 Stud Assembly.

## GENERATOR





# GENERATOR

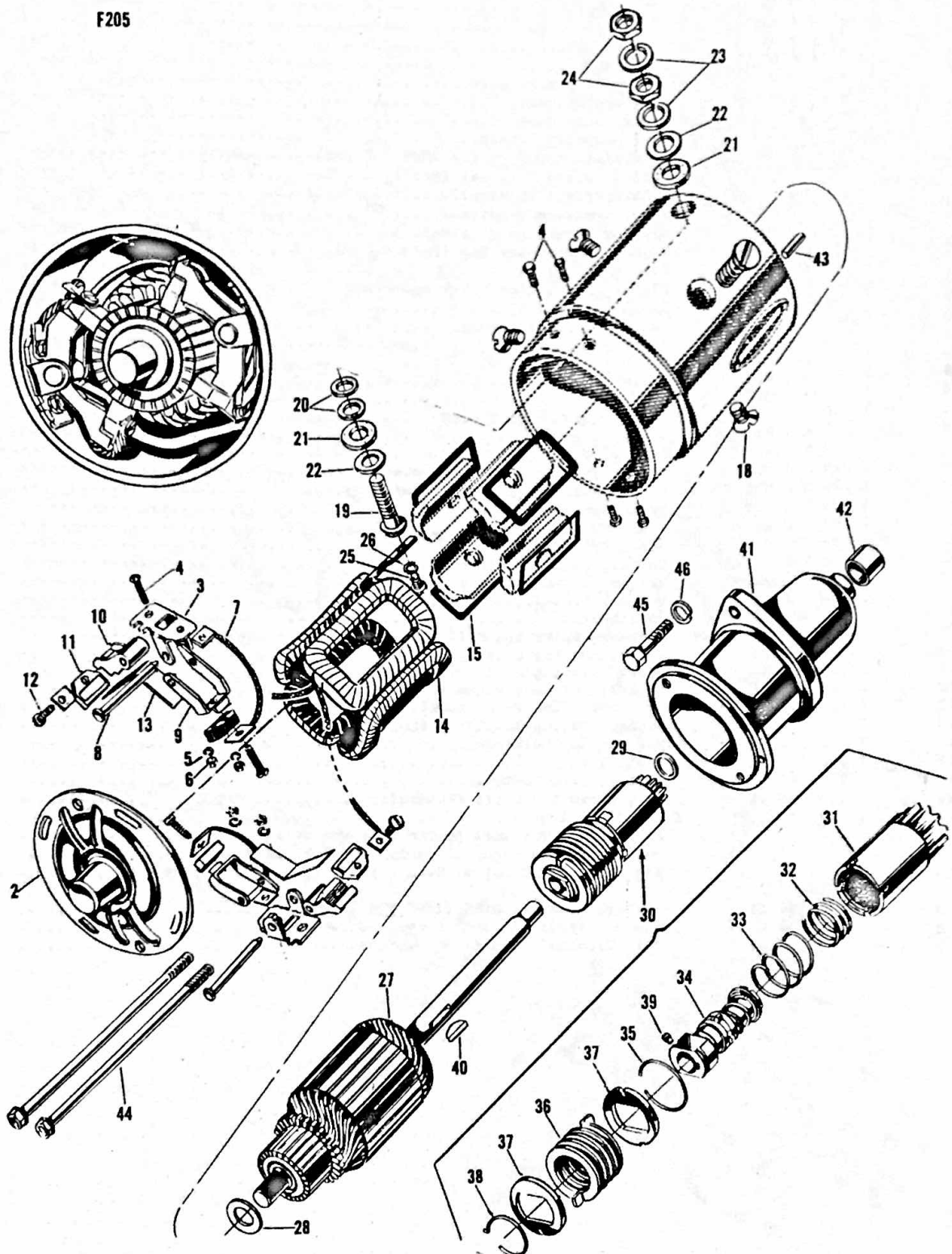
115

(NEVER USED IN PRODUCTION, USED ONLY AS A SERVICE REPLACEMENT)

Ref. No.	Part No.	Description	No. Req.
1	1 017 890 M91	Generator Assembly (Delco-Remy #1947579).....	1
2	1 754 547 M91	Frame Assembly, Comm. End.....	1
3	1 009 710 M1	Bushing.....	1
4	1 750 394 M1	Pin.....	1
5	1 022 604 M1	Wick, Oil.....	1
6	1 509 759 M1	Oiler.....	1
7	1 750 870 M1	Plug, Oil Wick Hole.....	1
8	1 014 564 M1	Armature Assembly.....	1
9	363 710 X1	Screw, Pole Shoe.....	2
10	1 009 702 M91	Coil Assembly, Field.....	1
11	1 750 516 M1	Insulation (Order (1) 1009 702 M91).....	2
12		Stud, Field Terminal (See Item 47).....	1
13		Clip, Field Terminal.....	1
14	1 028 572 M1	Stud, Armature Terminal.....	1
15	1 009 701 M1	Bushing, Armature Terminal.....	1
16	1 754 548 M1	Washer, Commutator End (Felt).....	1
17	1 754 549 M1	Cup, Retainer.....	1
18	1 038 526 M1	Plate, Cover, Commutator End Frame.....	1
19	1 750 423 M1	Gasket.....	2
20	363 576 X1	Screw, Cover Attaching.....	3
21	353 444 X1	Washer, Lock.....	1
22	1 754 877 M91	Brush Assembly.....	2
23	1 009 707 M1	Spring, Brush.....	2
24	1 028 573 M1	Arm, Brush.....	2
25	1 009 708 M1	Washer, Brush Arm Spacer.....	2
26	358 678 X1	Screw, Brush Lead.....	2
27	195 441 M1	Washer, Brush Lead Screw.....	2
28	1 028 574 M91	Holder Assembly, Brush (Grounded).....	1
29	1 028 575 M91	Holder Assembly, Brush (Insulated).....	1
30	1 028 729 M91	Frame Assembly, Drive End.....	1
31	1 509 759 M1	Oiler.....	1
32	1 009 721 M1	Plug, Drive End, Felt.....	1
33	1 009 722 M1	Collar, Drive End (Outside).....	1
34	1 750 404 M1	Washer, Drive End (Inside).....	1
35	1 500 195 M1	Washer, (Felt).....	1
36	1 750 492 M1	Retainer.....	1
37	832 960 M3	Bearing, Drive End Ball.....	1
38	1 750 504 M1	Plate, Bearing Retainer.....	1
39	1 022 316 M1	Screw, Bearing Retaining Plate.....	3
40	1 750 504 M1	Gasket, Retainer Plate to Drive End Frame.....	1
41	1 750 396 M1	Pin, Drive End Frame Locating.....	1
42	1 754 245 M1	Washer, Pulley Retaining (Lock).....	1
43	1 006 935 M1	Nut, Pulley Retaining.....	1
44	1 032 399 M1	Bolt, Thru.....	2
45	355 446 X1	Washer, Thru Bolt.....	2
46	355 465 X1	Key, Drive End Shaft (Woodruff).....	1
47	1 032 397 M91	Kit, Terminal Stud.....	1
48		Stud, Field Terminal (Order 1032 397 M91).....	1
49		Bushing, Field Terminal (Order 1032 397 M91).....	1
50		Washer, Field Terminal Stud Insulating (Order 1032 397 M91).....	1
55	353 754 X1	Washer, Terminal Stud (1/4" Flat).....	2
56	375 142 X1	Washer, Terminal (1/4" Lock).....	4
57	357 516 X1	Nut, Terminal Stud (1/4" NF, Hex.).....	4

## STARTER

F205



# STARTER

117

(12 VOLT - GAS)

(USED TRACTOR SERIAL NUMBER 161 250 AND UP)

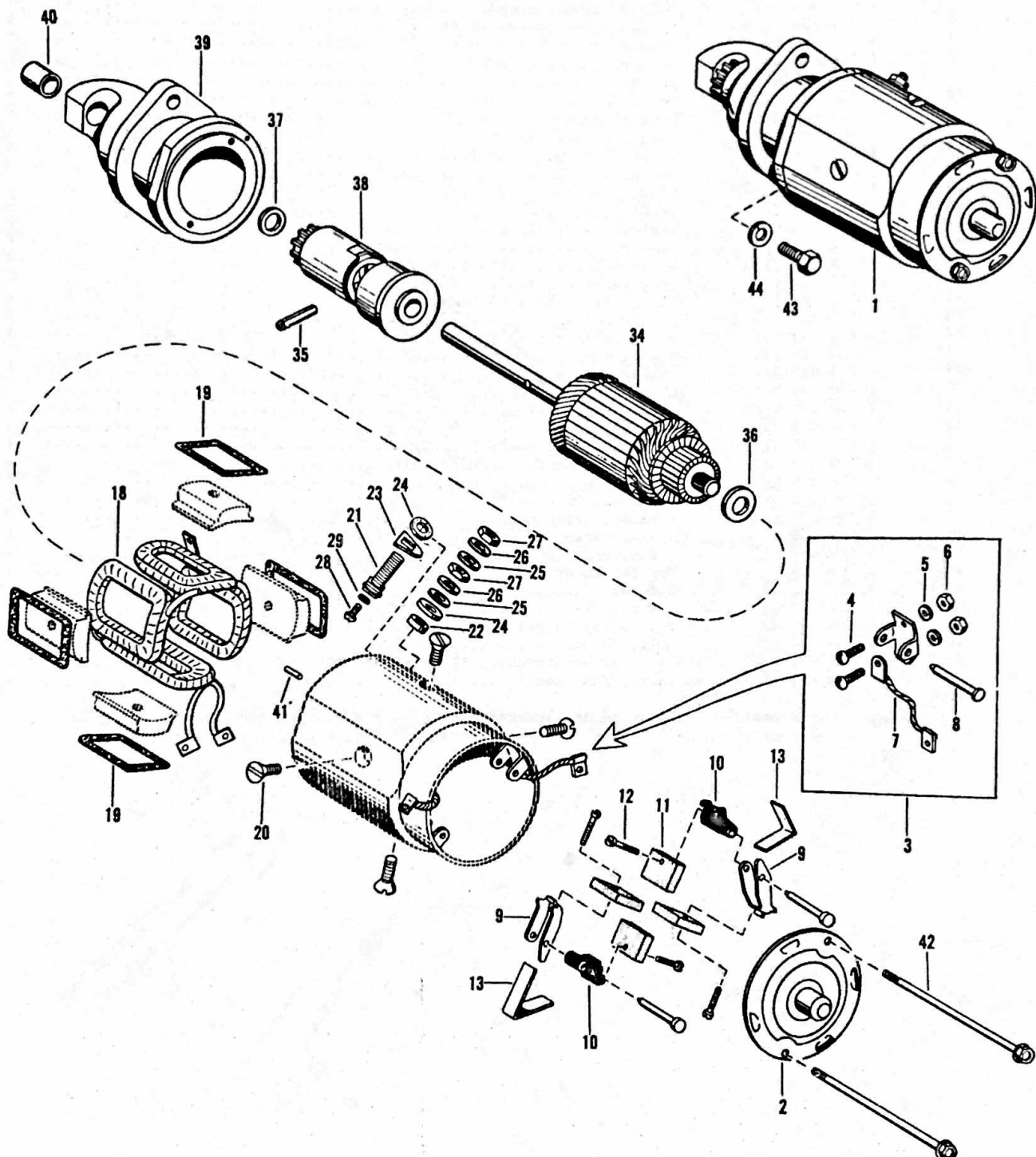
Ref. No.	Part No.	Description	No. Req.
(A)	182 454 M92	Starter Assembly.....	1
2	1 751 890 M91	Head Assembly, Comm. End.....	1
3	1 751 897 M91	Support Assembly, Brush Holder.....	2
4	354 198 X1	Screw, Support Attaching.....	2
5	353 445 X1	Washer (#10 Lock).....	2
6	354 120 X1	Nut.....	2
7	1 039 569 M91	Lead, Brush Ground.....	1
8	1 034 150 M1	Pin, Brush Holder Pivot.....	1
9	1 030 218 M1	Holder, Grounded Brush.....	2
10	1 751 895 M1	Holder, Insulated Brush.....	2
11	1 751 892 M1	Brush.....	4
12	1 032 784 M1	Screw, Brush Attaching.....	4
13	1 751 893 M1	Spring, Brush.....	2
14	1 751 883 M91	Coil Assembly, Field.....	1
15	1 751 884 M1	Insulation, Field Coil.....	4
18	363 710 X1	Screw, Pole Shoes.....	4
19	1 751 885 M1	Stud, Terminal.....	1
20	1 034 956 M1	Bushing, Terminal Stud.....	2
21	1 030 921 M1	Washer, Terminal Stud, Insulating.....	2
22	1 751 888 M1	Washer, Terminal Stud (3/8" Flat).....	2
23	353 434 X1	Washer, Terminal Stud (3/8" Lock).....	2
24	375 109 X1	Nut, Terminal Stud (3/8" NC, Hex.).....	2
25	363 583 X1	Screw, Field Lead to Terminal Stud.....	1
26	353 445 X1	Washer, Lock.....	1
27	1 751 880 M91	Armature Assembly.....	1
28	1 030 923 M1	Washer, Thrust, Comm. End.....	1
29	1 750 440 M1	Washer, Thrust, Drive End.....	1
30 (B)	1 750 454 M91	Drive Assembly, Bendix.....	1
31	1 750 447 M91	Pinion Assembly.....	1
32	1 750 439 M1	Spring, Meshing.....	1
33	1 750 446 M1	Spring, Anti-Drift.....	1
34	1 750 458 M91	Shaft Assembly, Drive.....	1
35	1 750 445 M1	Ring, Snap, Pinion to Drive Shaft.....	1
36	1 750 459 M1	Spring, Drive.....	1
37	1 750 518 M1	Plate, Drive Spring.....	2
38	1 750 456 M1	Ring, Snap, Drive Spring Retaining.....	1
39	1 750 457 M1	Pin, Drive Locating.....	1
40	22 568 X	Key (#6 Woodruff, 3/32 x 5/8" Alloy Steel).....	1
41	1 751 902 M91	Housing, Drive.....	1
42	1 750 409 M1	Bushing.....	1
43	1 750 396 M1	Pin, Dowel, Housing.....	1
44	1 030 221 M1	Bolt, Thru.....	2
45	353 697 X1	Bolt, Starter Attaching (7/16 x 7/8" NC, Hex.).....	2
46	353 432 X1	Washer (7/16" Lock).....	x

Notes: (A) - For repairs order Service Replacement Starter - 190 004 M91 (See Page 119).

(B) - For repairs order 1035 335 M91 Drive (Serviced only as a Complete Assembly).

## STARTER

F754 -2





# STARTER

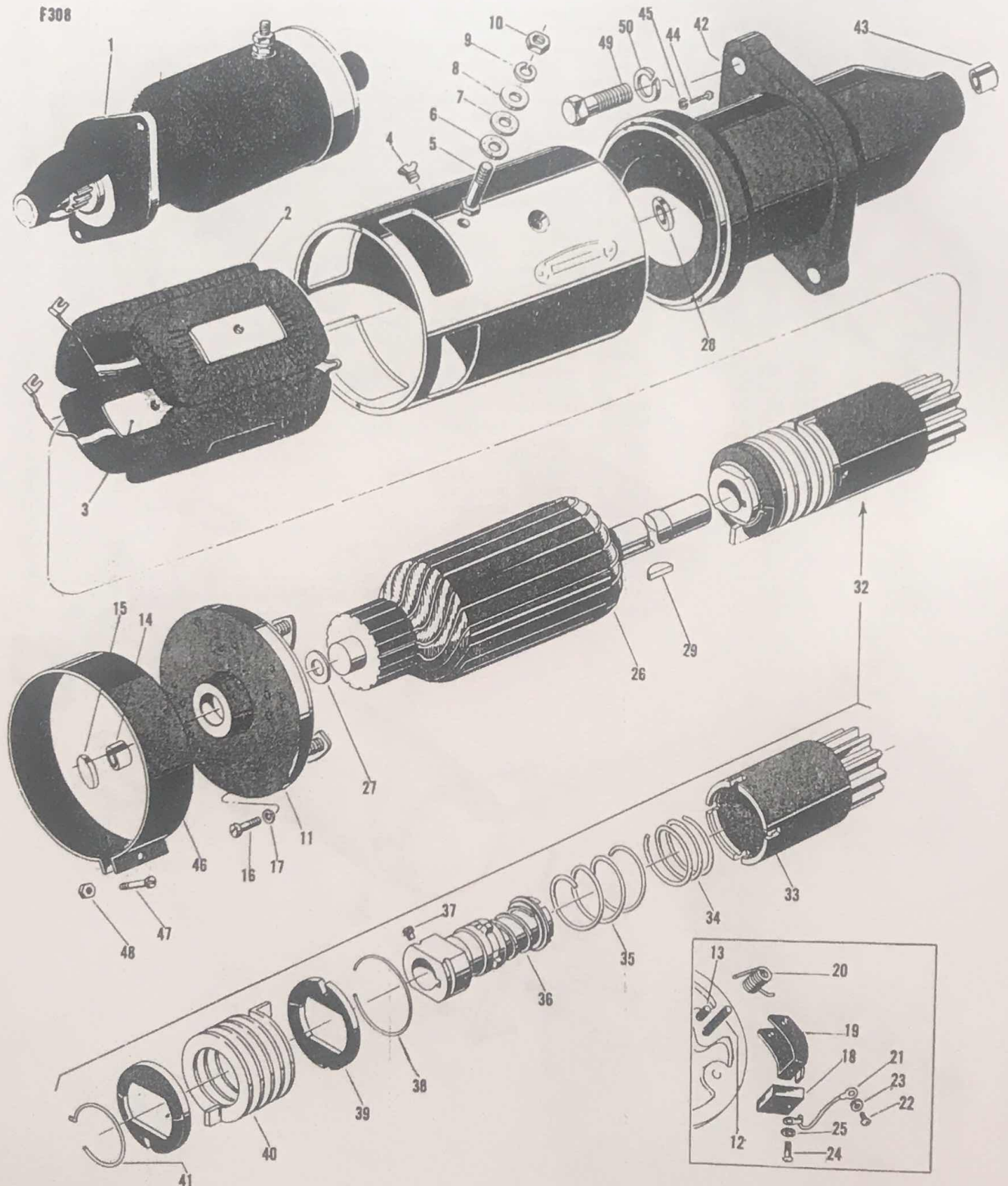
119

(12 VOLT - GAS)

(NEVER USED IN PRODUCTION - USED ONLY AS A SERVICE REPLACEMENT)

Ref. No.	Part No.	Description	No. Req.
1	190 004 M91	Starter Assembly (Delco-Remy #1107 226).....	1
2	1 751 890 M91	Head Assembly, Comm. End.....	1
3	1 751 897 M91	Support Assembly, Brush Holder.....	2
4	354 198 X1	Screw, Support Attaching.....	2
5	353 445 X1	Washer (#10 Lock).....	2
6	354 120 X1	Nut, Support Attaching Screw.....	2
7	1 751 898 M1	Lead, Brush Ground.....	1
8	1 034 150 M1	Pin, Brush Holder Pivot.....	1
9	1 030 218 M1	Holder, Grounded Brush.....	2
10	1 751 895 M1	Holder, Insulated Brush.....	2
11	1 751 892 M1	Brush.....	4
12	1 032 784 M1	Screw, Brush Attaching.....	4
13	1 751 893 M1	Spring, Brush.....	2
18	1 751 883 M91	Coil Assembly, Field.....	1
19	1 751 884 M1	Insulation, Field Coil.....	4
20	363 710 X1	Screw, Pole Shoes.....	4
21	1 751 885 M1	Stud, Terminal.....	1
22	1 034 956 M1	Bushing, Terminal Stud.....	1
23	1 019 290 M1	Insulation, Terminal Stud, Inner.....	1
24	1 030 921 M1	Washer, Terminal Stud Insulation.....	2
25	1 751 888 M1	Washer, Terminal Stud (3/8" Flat).....	2
26	353 434 X1	Washer, Terminal Stud (3/8" Lock).....	2
27	375 109 X1	Nut, Terminal Stud (3/8" NC. Hex.).....	2
28	363 581 X1	Screw, Field Lead to Terminal Stud.....	1
29	353 445 X1	Washer, Lock.....	1
34	1 019 267 M91	Armature Assembly.....	1
35	1 019 288 M1	Pin, Armature Shaft.....	1
36	1 030 923 M1	Washer, Thrust, Commutator End.....	1
37	1 750 440 M1	Washer, Thrust, Drive End.....	1
38	1 019 269 M91	Drive Assembly, Bendix.....	1
39	1 021 467 M91	Housing Assembly, Drive.....	1
40	1 750 409 M1	Bushing.....	1
41	1 750 396 M1	Pin, Dowel, Housing.....	1
42	1 030 221 M1	Bolt, Thru.....	2
43	353 697 X1	Bolt, Starter Attaching (7/16 x 7/8" NC. Hex.).....	2
44	353 432 X1	Washer (7/16" Lock).....	2

## STARTER



# STARTER

121

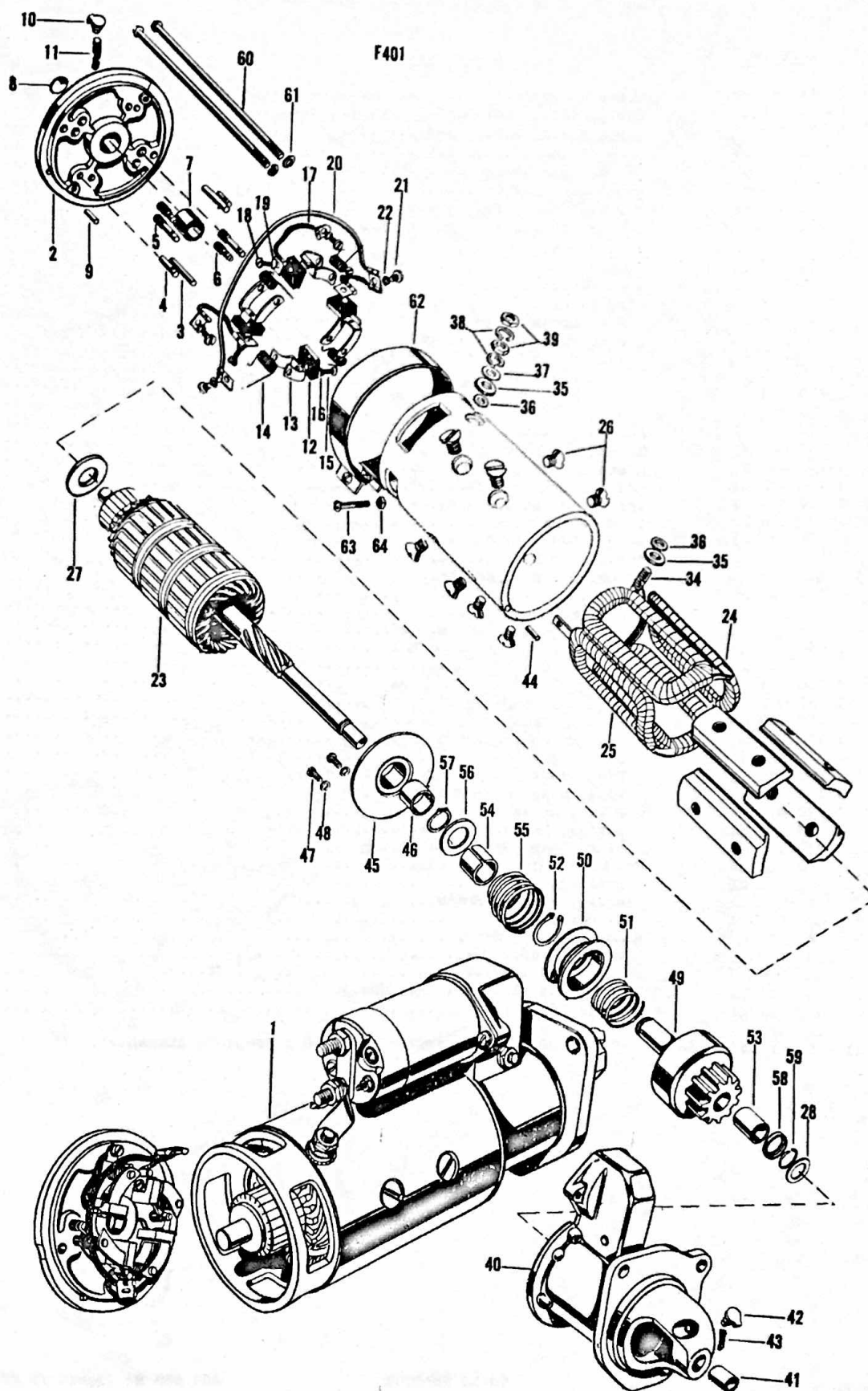
(6 VOLT - GAS)

(USED PRIOR TO TRACTOR SERIAL NUMBER 161 250)

Ref. No.	Part No.	Description	No. Req.
1	181 541 M91	Starter Assembly.....	1
2	1 750 477 M1	Coil, Field, Left Hand.....	1
2	1 750 478 M1	Coil, Field, Right Hand.....	1
3	1 750 476 M1	Shoe, Pole.....	4
4	1 022 321 M1	Screw, Pole Shoes.....	4
5	1 750 472 M1	Stud, Terminal.....	1
6	1 750 474 M1	Washer, Insulating, Inner (11/16" O.D.).....	2
7	1 750 473 M1	Washer, Insulating, Outer (1/2" O.D.).....	2
8	1 750 493 M1	Washer, Flat.....	2
9	353 446 X1	Washer, Lock.....	2
10	354 123 X1	Nut, Terminal.....	2
11	1 750 467 M91	Head Assembly, Comm. End.....	1
12	1 750 425 M1	Pin, Brush Hinge (Grounded).....	1
12	1 750 414 M1	Pin, Brush Hinge (Insulated).....	1
13	1 750 471 M1	Pin, Brush Stop (Grounded).....	1
13	1 750 413 M1	Pin, Brush Stop (Insulated).....	1
14	1 750 434 M1	Bushing, Head.....	1
15	1 750 450 M1	Plug, Head.....	1
16	363 582 X1	Screw, Head to Frame.....	2
17	353 445 X1	Washer, Lock.....	2
18	1 750 469 M1	Brush Assembly.....	4
19	1 750 408 M1	Holder, Brush.....	4
20	1 750 468 M1	Spring, Brush Tension.....	4
21	1 750 470 M1	Lead, Brush Ground.....	2
22	353 975 X1	Screw, Brush Lead.....	2
23	353 444 X1	Washer, Lock.....	2
24	375 213 X1	Screw, Brush to Holder.....	4
25	195 441 M1	Washer, Lock.....	4
26	1 750 466 M91	Armature Assembly.....	1
27	1 754 264 M1	Washer, Armature (Comm. End).....	1
28	1 750 440 M1	Washer, Armature (Drive End).....	1
29	22 568 X	Key, Armature.....	1
32 (A)	1 750 454 M91	Drive Assembly, Starter.....	1
33	1 750 447 M91	Pinion Assembly.....	1
34	1 750 439 M1	Spring, Meshing.....	1
35	1 750 446 M1	Spring, Anti-Drift.....	1
36	1 750 458 M91	Shaft Assembly, Drive.....	1
37	1 750 457 M1	Pin, Pilot.....	1
38	1 750 445 M1	Ring, Snap, Pinion.....	1
39	1 750 518 M1	Plate, Drive Spring.....	2
40	1 750 459 M1	Spring, Drive.....	1
41	1 750 456 M1	Ring, Snap, Spring Retaining.....	1
42	1 750 506 M91	Head Assembly, Drive End.....	1
43	1 750 409 M1	Bushing, Head.....	1
44	1 750 364 M1	Screw, Head to Frame.....	4
45	353 445 X1	Washer, Lock.....	4
46	1 750 487 M91	Band Assembly, Cover.....	1
47	355 747 X1	Screw, Band.....	1
48	358 990 X1	Nut, Band.....	1
49	353 698 X1	Bolt, Starter (7/16 x 1" NC, Hex.).....	2
50	353 432 X1	Washer (7/16" Lock).....	2

Note: (A) - For repairs order 1035 335 M91 Drive (Serviced only as a Complete Assembly).

## STARTER AND SOLENOID



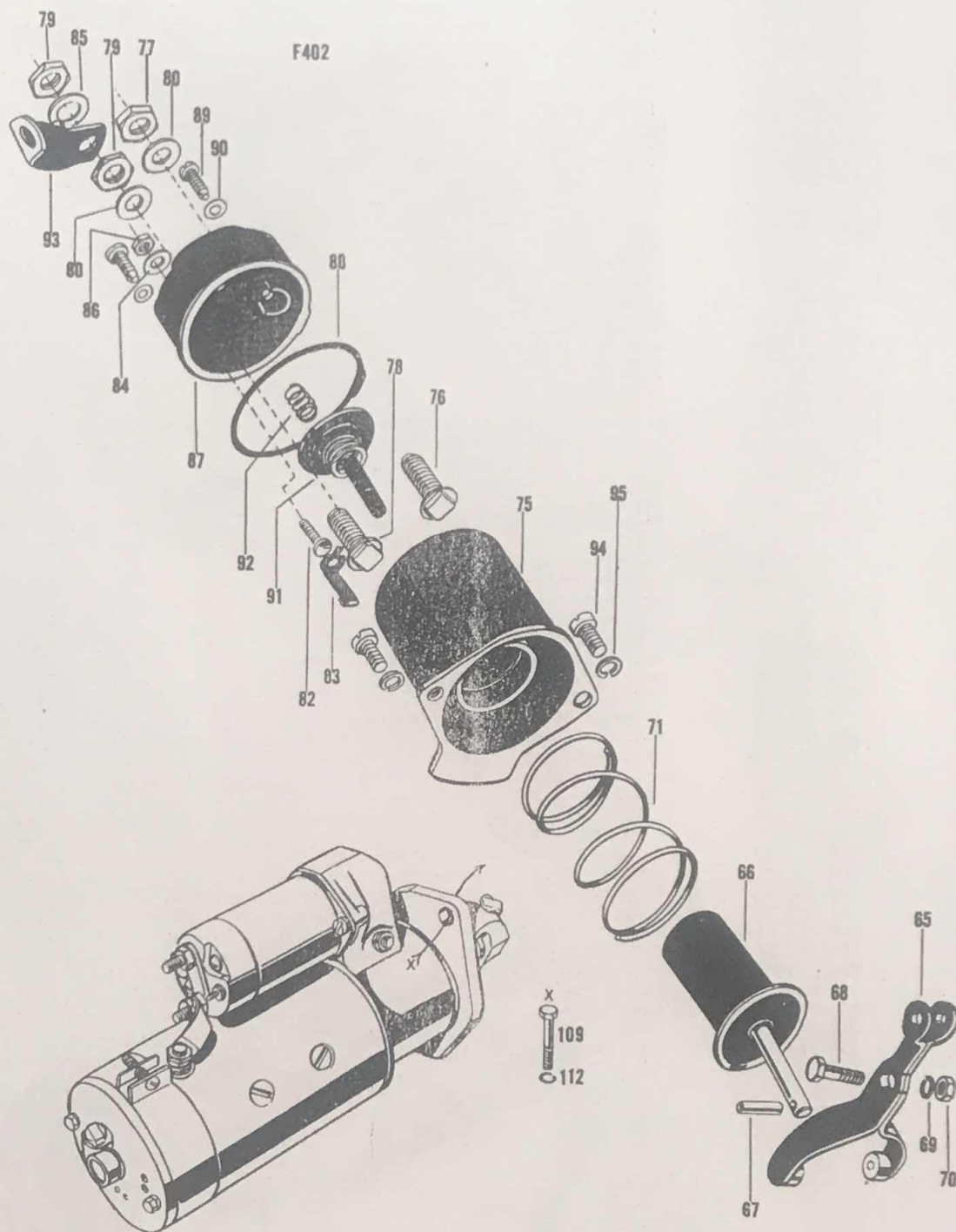


# STARTER AND SOLENOID

123

(STANDARD MOTORS DIESEL)

Ref. No.	Part No.	Description	No. Req.
1	184 907 M91	Starter Assembly (Order 193 192 M91).....	1
2	1 028 568 M91	Head Assembly, Comm. End.....	1
3	1 750 425 M1	Pin, Brush Hinge (Grounded).....	2
4	1 750 426 M1	Pin, Brush Holder Stop (Grounded).....	2
5	1 750 414 M1	Pin, Brush Hinge (Insulated).....	2
6	1 750 413 M1	Pin, Brush Holder Stop (Insulated).....	2
7	1 009 753 M1	Bushing, Comm. End.....	1
8	1 009 758 M1	Plug (3/4" Expansion).....	1
9	1 750 394 M1	Pin, Comm. Head Locating.....	1
10	1 754 235 M1	Oiler, Comm. End.....	1
11	1 030 220 M1	Wick, Oiler.....	1
12	1 028 571 M1	Brush, Starter.....	4
13	1 750 408 M1	Holder, Brush.....	4
14	1 754 258 M1	Spring, Brush Tension.....	4
15	375 213 X1	Screw, Brush Attaching.....	4
16	195 441 M1	Washer, Lock, Attaching Screw.....	4
17	1 754 259 M1	Lead, Brush Ground.....	2
18	353 975 X1	Screw, Ground Lead.....	2
19	353 444 X1	Washer, Lock, Lead Screw.....	2
20	1 754 260 M1	Lead, Brush Jumper.....	1
21	22 446 X	Screw, Jumper Lead.....	2
22	353 445 X1	Washer, Lock, Jumper Screw.....	2
23	1 754 248 M91	Armature Assembly.....	1
24	1 754 250 M1	Coil, Field, Upper.....	1
25	1 754 251 M1	Coil, Field, Lower.....	1
26	1 022 321 M1	Screw, Pole Shoes.....	8
27	1 754 261 M1	Washer, Armature Thrust, Comm. End.....	1
28	1 754 264 M1	Washer, Armature Thrust, Drive End.....	1
34	1 028 566 M1	Stud, Terminal.....	1
35	1 034 956 M1	Washer, Insulating, Large.....	1
36	1 030 921 M1	Washer, Insulating, Small.....	1
37	1 751 888 M1	Washer, Terminal Stud, Plain.....	1
38	353 434 X1	Washer, Terminal Stud, Lock.....	2
39	375 109 X1	Nut, Terminal Stud.....	2
40	1 754 266 M91	Housing Assembly, Drive End.....	1
41	1 021 907 M1	Bushing, Housing.....	1
42	1 754 255 M1	Oiler, Drive End.....	1
43	1 754 256 M1	Wick, Oiler.....	1
44	1 750 396 M1	Pin, Drive Housing Locating.....	1
45	1 754 262 M91	Bearing Assembly, Center.....	1
46	1 009 767 M1	Bushing, Center Bearing.....	1
47	353 732 X1	Screw, Center Bearing Attaching.....	2
48	1 750 461 M1	Washer, Lock, Center Bearing Screw.....	2
49	1 755 245 M91	Drive Assembly, Pinion.....	1
50	1 754 273 M1	Collar, Starter Drive.....	1
51	1 754 274 M1	Spring, Collar Tension.....	1
52	1 754 275 M1	Lockwire, Collar Retaining.....	1
53	1 754 276 M1	Bushing, Pinion Drive.....	1
54	1 754 271 M1	Collar, Spacer, Pinion Drive.....	1
55	1 754 277 M1	Spring, Assist, Starter Drive.....	1
56	1 754 263 M1	Washer, Stop, Assist Spring.....	1
57	22 042 X	Ring, Snap, Stop Washer Retaining.....	1
58	1 009 774 M1	Collar, Stop, Pinion Drive.....	1
59	1 009 773 M1	Ring, Snap, Stop Collar Retaining.....	1
60	1 754 278 M1	Bolt, Thru.....	2
61	353 441 X1	Washer, Lock, Thru Bolt.....	2
62	1 754 252 M91	Band Assembly, Cover, Comm. End.....	1
63	355 747 X1	Screw, Cover Band.....	1
64	358 990 X1	Nut, Cover Band Screw.....	1



# STARTER AND SOLENOID - Cont'd.

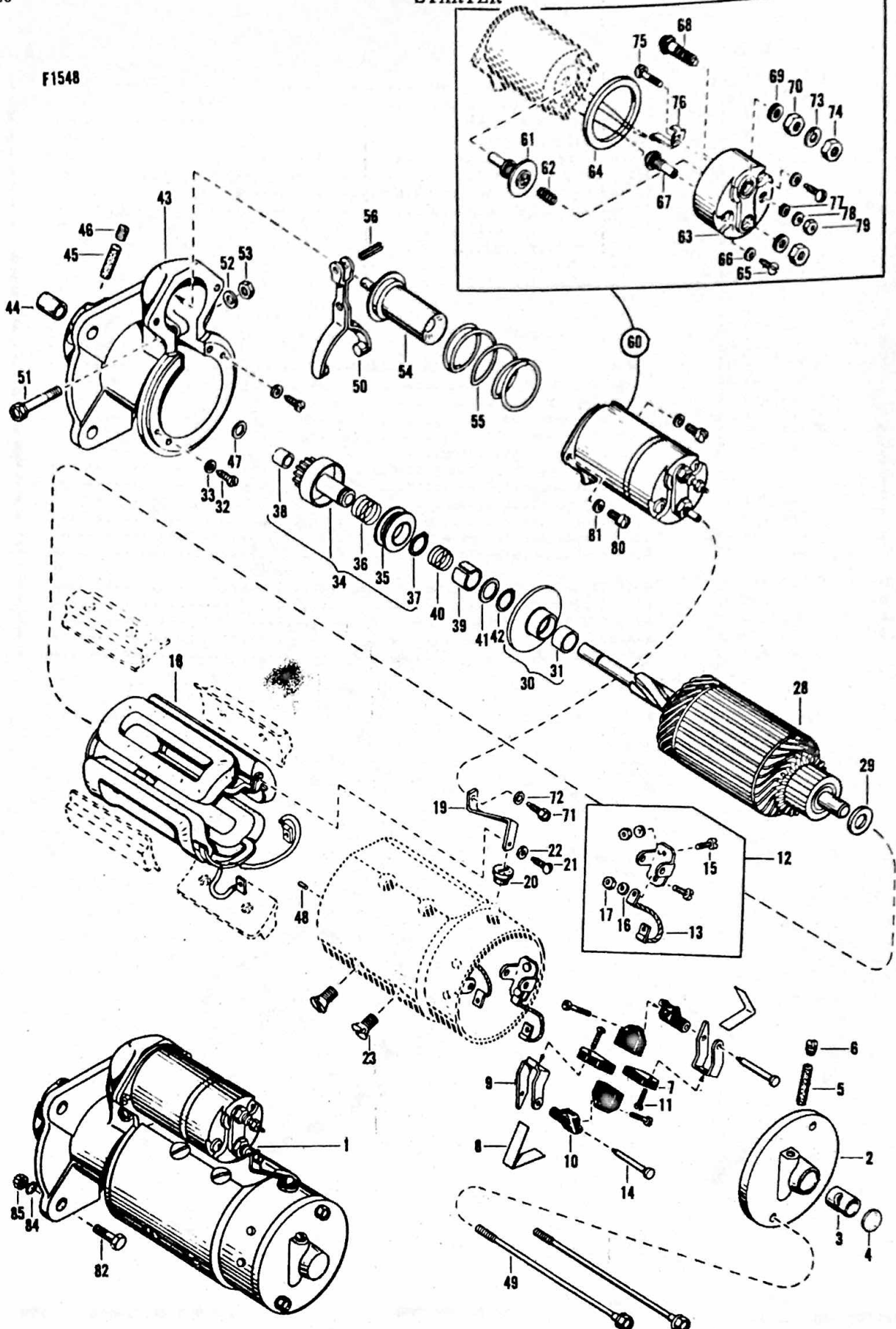
125

(STANDARD MOTORS DIESEL)

Ref. No.	Part No.	Description	No. Req.
65	1 032 727 M91	Lever, Shift, Drive Pinion.....	1
66	1 754 282 M1	Plunger, Solenoid Switch.....	1
67	357 630 X1	Pin, Lever to Plunger.....	1
68	1 754 307 M1	Bolt, Shift Lever.....	1
69	353 446 X1	Washer, Lock, Shift Lever Bolt.....	1
70	375 108 X1	Nut, Shift Lever Bolt.....	1
71	1 025 009 M1	Spring, Solenoid Plunger Return.....	1
75	1 025 381 M91	Switch Assembly, Solenoid.....	1
76	1 754 285 M1	Stud, Battery Terminal.....	1
77	354 123 X1	Nut, Battery Stud.....	1
78	1 009 858 M1	Stud, Connector.....	1
79	375 109 X1	Nut, Connector Stud.....	2
80	1 009 860 M1	Washer, Stud Insulating.....	2
	353 434 X1	Washer, Lock, Connector Stud.....	1
82	1 019 378 M1	Stud, Terminal (Short).....	1
83	1 031 215 M1	Clip, Terminal Stud.....	1
84	1 009 869 M1	Washer, Terminal Stud Insulating.....	1
85	353 444 X1	Washer, Terminal Stud Lock.....	1
86	354 119 X1	Nut, Terminal Stud.....	2
87	1 024 354 M1	Cover, Solenoid.....	1
88	1 754 289 M1	Gasket, Cover.....	1
89	363 584 X1	Screw, Cover Attaching.....	2
90	1 009 869 M1	Washer, Cover Attaching Screw.....	2
91	1 025 568 M91	Contact Assembly, Solenoid.....	1
92	1 009 864 M1	Spring, Contact Return.....	1
93	1 754 288 M1	Connector, Switch.....	1
94	357 458 X1	Screw, Solenoid to Drive Housing.....	2
95	353 441 X1	Washer, Lock, Solenoid Screw.....	2
109	353 705 X1	Bolt (7/16 x 1-7/8" NC, Hex.).....	1
109	353 568 X1	Bolt (7/16 x 2-1/8" NF, Hex.).....	1
109	355 194 X1	Stud (7/16" NC-NF x 2-1/4").....	1
112	353 432 X1	Washer (7/16" Lock).....	4
	353 426 X1	Nut (7/16" NF, Hex.).....	3

## STARTER

F1548



1st Print

693 063 M4 (Issue 1) 9/70



# STARTER

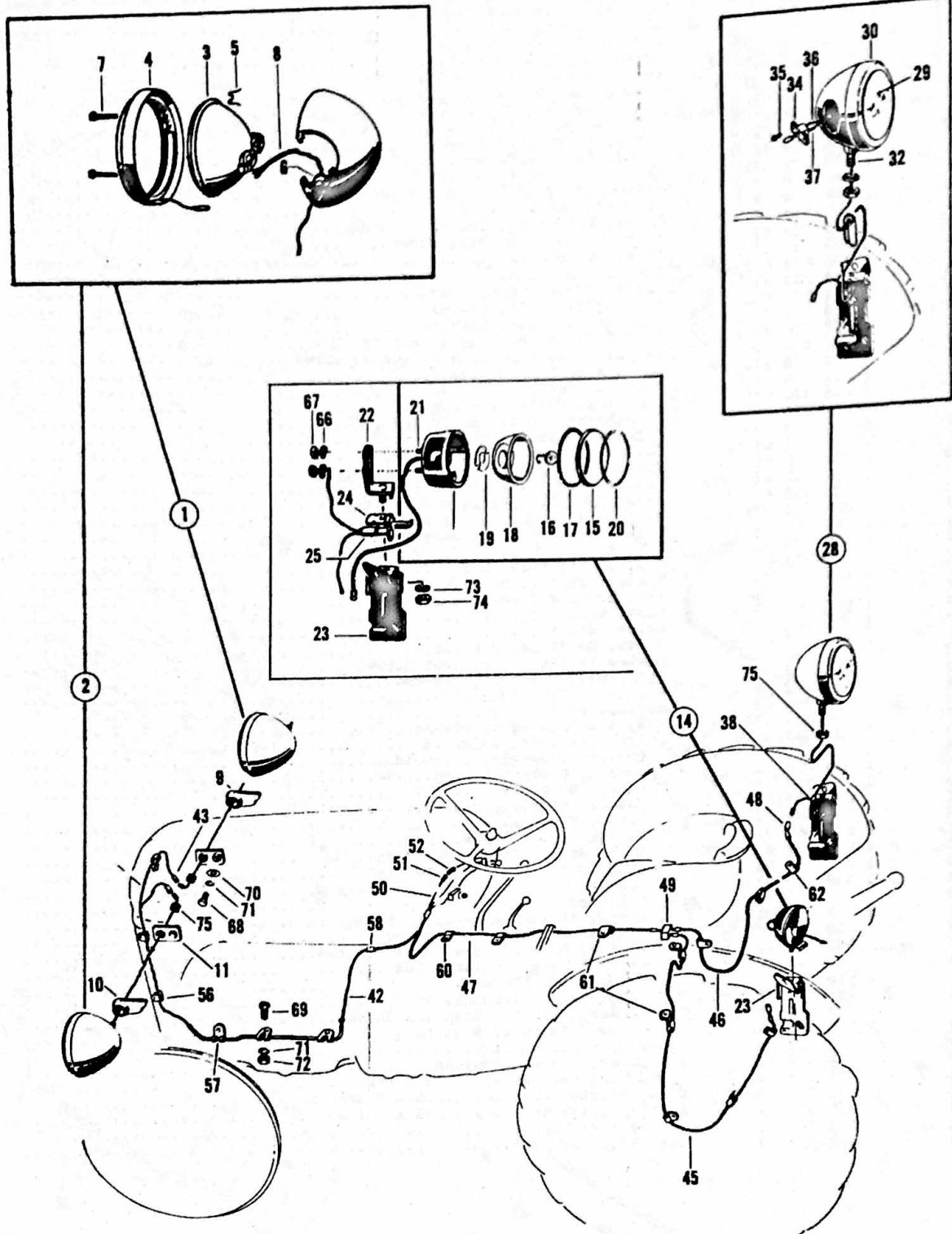
(STANDARD MOTORS DIESEL)

127

Ref. No.	Part No.	Description	No. Req.
1	193 192 M91	Starter Assembly (Delco-Remy).....	1
2	1 020 104 M91	Cover Assembly, Comm. End.....	1
3	1 009 755 M1	Bushing, Comm. End Cover.....	1
4	1 009 758 M1	Plug, Comm. End Cover.....	1
5	1 030 220 M91	Wick, Oil.....	1
6	195 591 M1	Plug, Oil Wick Hole.....	1
7	1 020 106 M1	Brush.....	1
8	1 751 893 M1	Spring, Brush Tension.....	4
9	1 030 218 M1	Holder, Brush (Ground).....	2
10	1 751 895 M1	Holder, Brush (Insulated).....	2
11	1 030 328 M1	Screw, Brush Attaching.....	4
12	1 751 897 M91	Support Assembly, Brush Holder.....	2
13	1 039 569 M91	Lead, Brush Ground.....	1
14	1 034 150 M1	Pin, Brush Support.....	1
15	354 198 X1	Screw, Support.....	2
16	353 445 X1	Washer, Support Screw.....	2
17	354 120 X1	Nut, Support Screw.....	2
18	1 020 107 M91	Coil Assembly, Field.....	1
19	1 020 108 M1	Connector, Field Coil to Solenoid.....	1
20	1 020 109 M1	Grommet, Connector.....	1
21	363 584 X1	Screw, Lead Attaching to Connector.....	1
22	353 445 X1	Washer, Lead Attaching Screw.....	1
23	363 710 X1	Screw, Pole Shoe.....	8
28	1 754 248 M91	Armature Assembly.....	1
29	1 030 923 M1	Washer, Brake, Comm. End.....	1
30	1 754 262 M91	Bearing Assembly, Center.....	1
31	1 009 787 M1	Bushing, Center Bearing.....	1
32	1 022 316 M1	Screw, Center Bearing Attaching.....	2
33	353 445 X1	Washer, Center Bearing Attaching Screw.....	2
34	1 755 245 M91	Drive Assembly, Pinion.....	1
35	1 754 273 M1	Collar, Starter Drive.....	1
36	1 754 274 M1	Spring, Collar Tension.....	1
37	1 754 275 M1	Lockwire, Collar Retaining.....	1
38	1 754 276 M1	Bushing, Pinion Drive.....	1
39	1 754 271 M1	Collar, Spacer, Pinion Drive.....	1
40	1 754 277 M1	Spring, Assist, Starter Drive.....	1
41	1 754 263 M1	Washer, Stop, Assist Spring.....	1
42	22 042 X	Ring, Snap, Stop Washer Retaining.....	1
43	1 023 764 M91	Housing Assembly, Drive End.....	1
44	1 754 267 M1	Bushing, Drive End Housing.....	1
45	1 030 220 M1	Wick, Oil.....	1
46	195 591 M1	Plug, Oil Wick Hole.....	1
47	1 754 264 M1	Washer, Thrust, Drive End.....	1
48	1 750 396 M1	Pin, Drive End Housing Locating.....	1
49	1 024 981 M1	Bolt, Thru.....	2
50	1 032 727 M1	Lever, Shift.....	1
51	1 754 307 M1	Screw, Shift Lever Pivot.....	1
52	353 446 X1	Washer, Shift Lever Pivot Screw.....	1
53	375 108 X1	Nut, Shift Lever Pivot Screw.....	1
54	1 754 282 M1	Plunger, Solenoid Switch.....	1
55	1 025 009 M1	Spring, Plunger.....	1
56	357 630 X1	Pin, Shift Lever to Plunger.....	1
60	1 025 381 M91	Switch Assembly, Solenoid.....	1
61	1 025 568 M91	Contact Assembly, Solenoid.....	1
62	1 009 864 M1	Spring, Contact Return.....	1
63	1 024 354 M1	Cover, Solenoid.....	1
64	1 020 122 M1	Gasket, Cover.....	1
65	363 584 X1	Screw, Cover.....	2
66	1 009 869 M1	Washer, Cover Screw.....	2
67	1 028 576 M1	Stud, Switch Contact Terminal.....	1
68	1 009 858 M1	Stud, Battery Contact Terminal.....	1
69	1 019 384 M1	Washer, Terminal Stud Insulating.....	2
70	354 123 X1	Nut, Terminal Stud.....	2
71	1 035 258 M1	Screw, Field Connector to Switch Terminal Stud.....	1
72	22 427 X	Washer, Terminal Stud Screw.....	1
73	353 434 X1	Washer, Lock Battery Terminal Stud.....	1
74	354 123 X1	Nut, Battery Terminal Stud.....	1
75	1 019 378 M1	Stud, Switch Terminal.....	1
76	1 031 215 M1	Clip, Switch Terminal Stud.....	1
77	1 023 765 M1	Washer, Terminal Stud Insulating.....	1
78	1 019 381 M1	Washer, Terminal Stud Lock.....	1
79	354 119 X1	Nut, Terminal Stud.....	1
80	357 458 X1	Screw, Switch Mounting.....	2
81	353 441 X1	Washer, Switch Mounting Screw.....	2
82	353 711 X1	Bolt, Starter Mounting (7/16 x 2-5/8" NC, Hex.).....	2
82	353 576 X1	Bolt, Starter Mounting (7/16 x 3-1/8" NF, Hex.).....	1
84	353 432 X1	Washer (7/16" Lock).....	3
85	353 426 X1	Nut (7/16" NF, Hex.).....	1

## LIGHTING EQUIPMENT

F1549



# LIGHTING EQUIPMENT

129

HOOD MOUNTED

(12 VOLT)

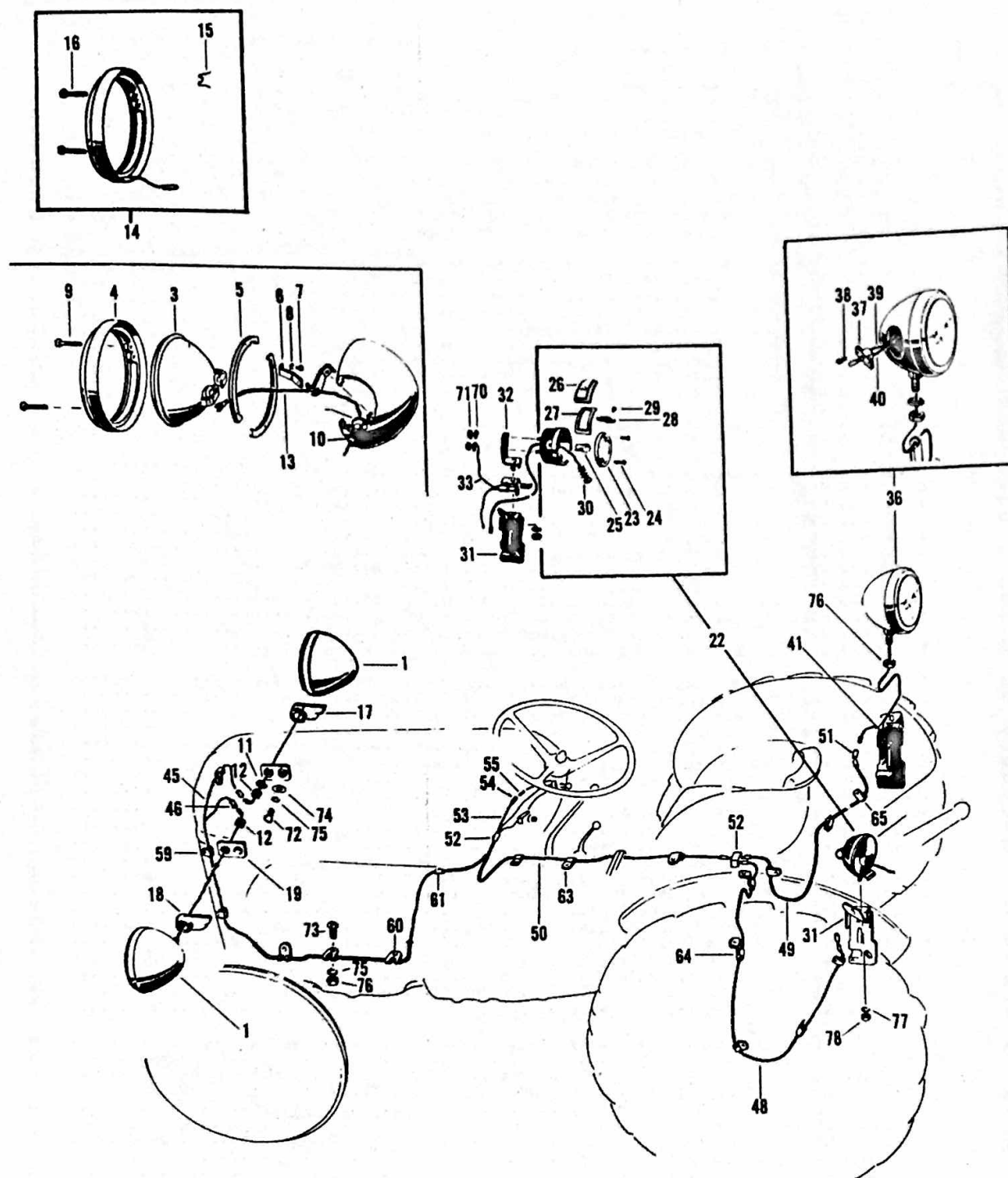
(USED TRACTOR SERIAL NUMBER 161 250 AND UP)

Ref. No.	Part No.	Description	No. Req.
1 (A)	182 927 M91	Lamp Assembly, Right Hand, Front (Incl. items 3 thru 5).....	1
2 (B)	182 928 M91	Lamp Assembly, Left Hand, Front.....	1
3	1 751 347 M91	Bulb Assembly, Headlamp (Right or Left).....	x
4	1 751 415 M91	Moulding Assembly, Bulb (Chrome).....	x
4	1 752 311 M91	Moulding Assembly, Bulb (Red).....	4
5	1 750 642 M1	Spring, Bulb Retaining.....	1
6	1 751 524 M1	Bolt, Lamp Mounting.....	2
7	353 979 X1	Screw, Moulding (5/16 x 1-1/4" NC, Rd. Hd.).....	1
8	1 750 650 M91	Wire Assembly, Headlamp to Connector.....	1
9	510 438 M1	Bracket, Headlamp Mounting (Right).....	1
10	510 439 M1	Bracket, Headlamp Mounting (Left).....	2
11	1 750 659 M1	Reinforcement, Bracket.....	1
14 (C)	1 751 823 M91	Lamp Assembly, Rear (Tail Lamp).....	1
15	1 751 837 M1	Lens, Tail Lamp.....	1
16	22 131 X	Bulb, Tail Lamp.....	1
17	1 751 834 M1	Gasket, Lens.....	1
18	1 751 833 M1	Reflector, Tail Lamp.....	1
19	1 751 836 M1	Gasket, Reflector.....	1
20	1 751 838 M1	Spring, Lens Retaining.....	2
21	1 751 835 M1	Bolt, Tail Lamp to Bracket.....	1
22	1 751 824 M91	Bracket Assembly, Tail Lamp.....	1
23	1 750 674 M1	Bracket, Tail Lamp Mounting.....	1
24	1 751 353 M2	Socket, Auxiliary Lamp.....	1
25	1 751 606 M1	Boot, Socket Protection.....	1
28 (D)	182 929 M91	Lamp Assembly, Rear (Work Lamp).....	1
29	1 002 803 M91	Bulb Assembly, Work Lamp.....	x
30	1 751 415 M91	Moulding Assembly, Bulb (Chrome).....	x
30	1 752 311 M91	Moulding Assembly, Bulb (Red).....	4
	1 750 642 M1	Spring, Bulb Retaining.....	1
32	1 751 524 M1	Bolt, Lamp Mounting.....	2
	353 979 X1	Screw, Moulding (5/16 x 1-1/4" NC, Rd. Hd.).....	1
34	1 750 656 M1	Switch, Toggle.....	2
35	353 975 X1	Screw, Switch (5/32 x 1/4" NC, Rd. Hd.).....	1
36	1 750 657 M91	Wire Assembly, Switch to Bulb.....	1
37	1 750 687 M91	Wire Assembly, Switch to Connector.....	1
38	1 750 673 M1	Bracket, Work Lamp.....	1
42	1 750 681 M91	Harness Assembly, Head Lamps.....	2
43	1 750 623 M91	Connector Assembly (2 Way).....	1
	1 750 601 M91	Harness Assembly, Tail Lamps.....	1
45	1 750 619 M91	Wire Assembly, Tail Lamps.....	1
46	1 750 621 M91	Wire Assembly, Work Lamp.....	1
47	1 750 616 M92	Wire Assembly, Lamp Connecting.....	1
48	1 750 623 M91	Connector Assembly (2 Way).....	3
49	1 750 618 M91	Connector Assembly (4 Way).....	1
50	1 750 602 M91	Wire Assembly, Fuse Holder.....	1
51	1 750 614 M1	Holder, Fuse.....	1
52	15 358 A	Fuse (20 Amp).....	1
	1 750 603 M91	Wire Assembly, Switch to Holder.....	1
	1 750 610 M91	Wire Assembly, Holder to Connector.....	1
	1 750 613 M1	Spring, Fuse Tension.....	3
56	180 739 M1	Clip (to Grille).....	3
57	1 750 686 M1	Clamp (to Oil Pan).....	1
58	1 750 627 M1	Clip (Head Lamp Harness).....	1
58	1 751 387 M1	Clip (Head Lamp Harness).....	4
60	180 746 M2	Clip (to Axle and Fender).....	4
61	1 750 679 M1	Clamp (to Hydraulic Cover and Steering Housing).....	2
62	1 750 678 M1	Clip (to Fender).....	x
66	353 441 X1	Washer (1/4" Lock).....	x
67	354 121 X1	Nut (1/4" NC, Hex.).....	x
68	353 514 X1	Bolt (5/16 x 3/8" NF, Hex.).....	x
69	355 047 X1	Screw (5/16 x 1" NC, Rd. Hd.).....	x
70	353 755 X1	Washer (5/16" Reg. Flat).....	x
71	353 446 X1	Washer (5/16" Lock).....	x
72	354 122 X1	Nut (5/16" NC, Hex.).....	x
73	353 432 X1	Washer (7/16" Lock).....	x
74	353 426 X1	Nut (7/16" NF, Hex.).....	x
75	195 982 M1	Nut (1/2" NF, Hex., w/Nylock Insert).....	x

Notes: (A) - For repairs order 186 141 M91 Lamp Assembly (See Page 133).  
 (B) - For repairs order 186 142 M91 Lamp Assembly (See Page 133).  
 (C) - For repairs order 1751 821 M91 Lamp Assembly (See Page 129).  
 (D) - For repairs order 182 926 M91 Lamp Assembly (See Page 129).

## LIGHTING EQUIPMENT

**F 1550**





# LIGHTING EQUIPMENT

131

HOOD MOUNTED

(6 VOLT)

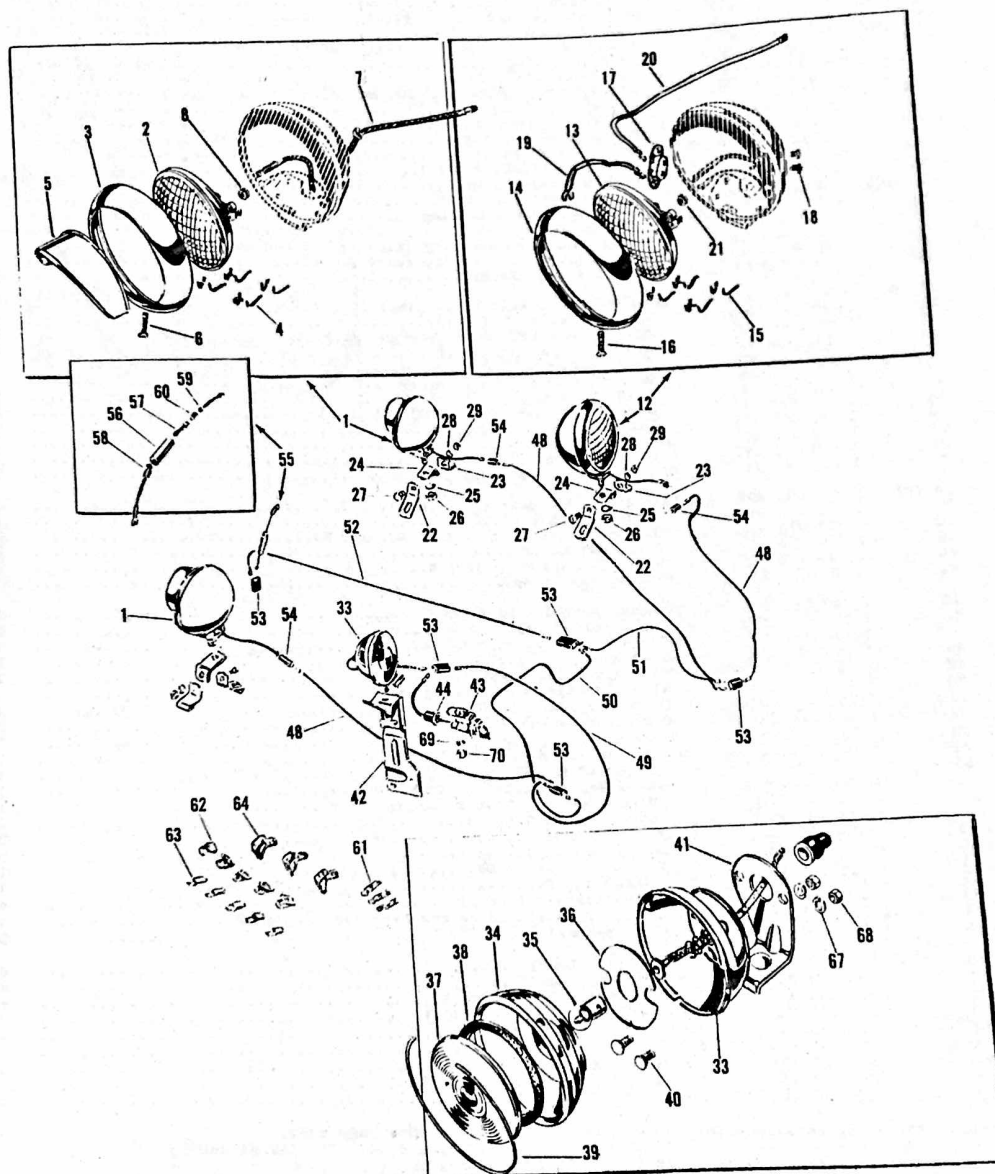
(USED PRIOR TO TRACTOR SERIAL NUMBER 161 250)

Ref. No.	Part No.	Description	No. Req.
1 (A)	1 751 418 M91	Lamp Assembly, Right Hand, Front.....	1
1 (A)	1 751 419 M91	Lamp Assembly, Left Hand, Front.....	1
3	1 002 802 M91	Bulb Assembly, Headlamp.....	1
4 (B)	1 750 639 M1	Moulding, Bulb Retaining (Cast)(Order 830 626 M91).....	1
5	1 750 638 M1	Ring, Mounting.....	2
6	1 750 640 M1	Strap, Ground.....	1
7	353 976 X1	Screw, Strap (#8 x 3/8" NC, Rd. Hd.).....	1
8	353 444 X1	Washer (#8 Lock).....	1
9	1 750 652 M1	Screw, Moulding (#8 x 1-1/8" NC, Oval Hd.).....	2
10	1 751 524 M1	Bolt, Lamp Mounting.....	1
11	353 439 X1	Washer (1/2" Lock).....	1
12	353 438 X1	Nut (1/2" NF, Half Hex.).....	1
13	1 750 650 M91	Wire Assembly, Headlamp.....	1
14 (C)	830 626 M91	Moulding Kit (Stamped).....	1
15	1 750 642 M1	Spring, Bulb Retaining.....	4
16	353 979 X1	Screw, Moulding.....	2
17	510 438 M1	Bracket, Headlamp Mounting (Right Front and Rear).....	2
18	510 439 M1	Bracket, Headlamp Mounting (Left Front).....	1
19	1 750 658 M1	Reinforcement, Bracket.....	2
22 (D)	1 750 662 M91	Lamp Assembly, Rear (Tail Lamp).....	1
23	190 927 M91	Lens Assembly, Tail Lamp.....	1
24	195 803 M1	Screw, Lens (#6 x 5/8" NC, Rd. Hd.).....	2
25	761 338 M1	Bulb, Tail Lamp.....	1
26	1 750 664 M1	Lens, License.....	1
27	1 750 666 M1	Gasket, License Lens.....	1
28	1 750 665 M1	Clip, Lens Retaining.....	2
29	195 850 M1	Screw, Clip (#6 x 5/16" NC, Rd. Hd.).....	2
30	1 750 668 M91	Wire Assembly, Tail Lamp.....	1
31	1 750 674 M1	Bracket, Tail Lamp.....	1
32	1 750 671 M91	Support Assembly, Tail Lamp.....	1
33	1 750 680 M1	Socket, Auxiliary Lamp.....	1
36 (E)	1 750 692 M91	Lamp Assembly, Rear (Work Lamp).....	1
37	1 750 656 M1	Switch, Toggle.....	1
38	353 975 X1	Screw, Switch (5/32 x 1/4" NC, Rd. Hd.).....	2
39	1 750 657 M1	Wire, Switch to Bulb.....	1
40	1 750 687 M1	Wire, Connector to Switch.....	1
41	1 750 673 M1	Bracket, Work Lamp.....	1
45	1 750 681 M91	Harness Assembly, Head Lamp.....	1
46	1 750 623 M91	Connector Assembly (2 Way).....	2
48	1 750 601 M91	Harness Assembly, Tail Lamps.....	1
49	1 750 619 M91	Wire Assembly, Tail Lamp.....	1
50	1 750 621 M91	Wire Assembly, Work Lamp.....	1
51	1 750 616 M91	Wire Assembly, Lamp Connecting.....	1
52	1 750 623 M91	Connector Assembly (2 Way).....	1
53	1 750 618 M91	Connector Assembly (4 Way).....	3
54	1 750 602 M91	Wire Assembly, Fuse Holder.....	1
55	1 750 614 M1	Holder, Fuse.....	1
	15 358 A	Fuse (20 Amp).....	1
	1 750 603 M91	Wire Assembly, Switch to Holder.....	1
	1 750 610 M91	Wire Assembly, Holder to Connector.....	1
	1 750 613 M1	Spring, Fuse Tension.....	1
59	180 739 M1	Clip (to Grille).....	3
60	1 750 686 M1	Clamp (to Oil Pan).....	3
61	1 750 627 M1	Clip (Headlamp Harness).....	1
62	1 751 387 M1	Clip (Headlamp Harness).....	1
63	180 746 M1	Clip (to Axle and Fender).....	4
64	1 750 679 M1	Clamp (to Hydraulic Cover and Steering Housing).....	4
65	1 750 678 M1	Clip (to Fender).....	2
70	353 441 X1	Washer (1/4" Lock).....	x
71	354 121 X1	Nut (1/4" NC, Hex.).....	x
72	353 514 X1	Bolt (5/16 x 3/8" NF, Hex.).....	x
73	355 047 X1	Screw (5/16 x 1" NC, Rd. Hd.).....	x
74	353 755 X1	Washer (5/16" Reg. Flat).....	x
75	353 446 X1	Washer (5/16" Lock).....	x
76	354 122 X1	Nut (5/16" NC, Hex.).....	x
77	353 432 X1	Washer (7/16" Lock).....	x
78	353 426 X1	Nut (7/16" NF, Hex.).....	x

- Notes: (A) - For repairs order 231 495 M91 Lamp Assembly (See Page 135).  
 (B) - For repairs order (1) 1752 311 M91 Moulding and (4) 1750 642 M1 Spring.  
 (C) - For repairs order (1) 1751 415 M91 Moulding and (4) 1750 642 M1 Spring.  
 (D) - For repairs order (1) each of 190 927 M91 Lamp (See Page 135) and 1751 824 M91 Support Assembly.  
 (E) - For repairs order 190 742 M91 Lamp (See Page 135).

## LIGHTING EQUIPMENT

F313



Ref. No.	Part No.
1 (A)	183 828 M91
2	1 752 866 M91
3	1 017 603 M1
4	1 752 867 M1
5	1 752 868 M1
6	355 883 X1
7	1 752 884 M91
8	832 654 M1
12 (B)	183 829 M91
13	1 752 866 M91
14	1 017 603 M1
15	1 752 867 M1
16	355 883 X1
17	1 750 656 M1
18	353 975 X1
19	1 750 657 M9
20	1 752 885 M9
21	1 752 883 M1
22	1 751 773 M1
23	1 751 774 M1
24	1 751 781 M1
25	1 751 767 M1
26	355 896 X1
27	353 806 X1
28	1 751 768 M1
29	195 586 M1
33 (C)	1 751 823 M1
34	1 751 833 M1
35	22 131
36	1 751 834 M1
37	1 751 837 M1
38	1 751 836 M1
39	1 751 838 M1
40	1 751 835 M1
41	1 751 824 M1
42	1 750 674 M1
43	1 751 355 M1
44	1 751 604 M1
48	1 751 76 M1
49	1 751 78 M1
50	1 751 78 M1
51	1 751 78 M1
52	1 750 6 M1
53	1 750 6 M1
54	1 750 6 M1
55	1 751 7 M1
56	1 750 6 M1
57	15
58	1 751 M1
59	1 751 M1
60	1 750 M1
61	182
62	180
63	1 750 M1
64	1 750 M1
67	353
68	354
69	353
70	353

Notes: (A) -  
(B) -  
(C) -

# LIGHTING EQUIPMENT

133

(FENDER MOUNTED)

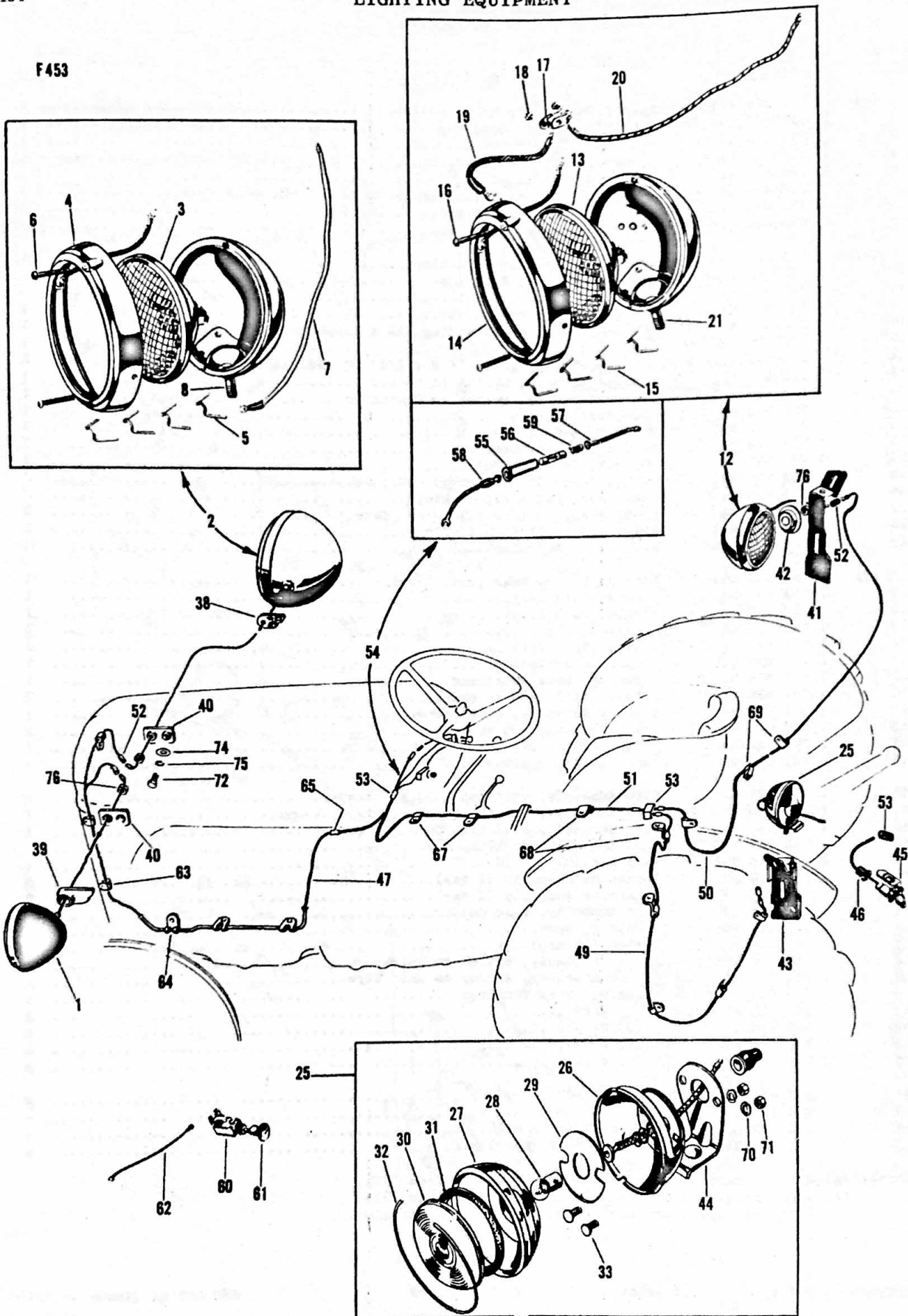
(12 VOLT)

Ref. No.	Part No.	Description	No. Req.
1 (A)	183 828 M91	Lamp Assembly, Front (Headlamp).....	2
2	1 752 866 M91	Bulb Assembly, Headlamp.....	1
3	1 017 603 M1	Moulding, Bulb.....	1
4	1 752 867 M1	Spring, Bulb Retaining.....	4
5	1 752 868 M1	Shield, Headlamp.....	1
6	355 883 X1	Screw, Moulding Retaining (#8 x 13/16" NC, Oval Hd.).....	1
7	1 752 884 M91	Wire Assembly, Headlamp.....	1
8	832 654 M1	Grommet, Wire.....	1
12 (B)	183 829 M91	Lamp Assembly, Rear (Worklamp).....	1
13	1 752 866 M91	Bulb Assembly, Worklamp.....	1
14	1 017 603 M1	Moulding, Bulb.....	1
15	1 752 867 M1	Spring, Bulb Retaining.....	4
16	355 883 X1	Screw, Moulding Retaining (#8 x 13/16" NC, Oval Hd.).....	1
17	1 750 656 M1	Switch, Toggle.....	1
18	353 975 X1	Screw, Toggle Switch (#8 x 1/4" NC, Rd. Hd.).....	2
19	1 750 657 M91	Wire Assembly, Switch to Lamp.....	1
20	1 752 885 M91	Wire Assembly, Switch to Connector.....	1
21	1 752 883 M1	Grommet, Wire.....	1
22	1 751 773 M1	Support, Lamp (Inner).....	3
23	1 751 774 M1	Support, Lamp (Outer).....	3
24	1 751 781 M1	Support, Lamp (Hinge).....	3
25	1 751 767 M1	Washer, Lamp Stud (Spring).....	3
26	355 896 X1	Nut, Lamp Stud (Self-Locking).....	3
27	353 806 X1	Bolt, Supports (3/8 x 3/4" NF, Carr.).....	3
28	1 751 768 M1	Washer, Support Bolt (Spring).....	3
29	195 586 M1	Nut, Bolt (Self-Locking).....	3
33 (C)	1 751 823 M91	Lamp Assembly, Rear (Tail Lamp).....	1
34	1 751 833 M1	Lens, Tail Lamp.....	1
35	22 131 X	Bulb, Tail Lamp.....	1
36	1 751 834 M1	Gasket, Lens.....	1
37	1 751 837 M1	Reflector, Tail Lamp.....	1
38	1 751 836 M1	Gasket, Reflector.....	1
39	1 751 838 M1	Spring, Lens Retaining.....	1
40	1 751 835 M1	Bolt, Tail Lamp to Bracket.....	2
41	1 751 824 M91	Bracket Assembly, Tail Lamp.....	1
42	1 750 674 M1	Bracket, Tail Lamp Mounting.....	1
43	1 751 353 M1	Socket, Auxiliary Lamp.....	1
44	1 751 606 M1	Boot, Socket Protection.....	1
48	1 751 766 M91	Wire Assembly, Headlamps and Worklamp.....	3
49	1 751 780 M91	Wire Assembly, Tail Lamp.....	1
50	1 751 783 M91	Wire Assembly, Tail Lamp Connecting.....	1
51	1 751 782 M91	Wire Assembly, Worklamp Connecting.....	1
52	1 750 616 M91	Wire Assembly, Main.....	1
53	1 750 618 M91	Connector Assembly (4 Way).....	5
54	1 750 623 M91	Connector Assembly (2 Way).....	3
55	1 751 756 M91	Wire Assembly, Fuse Holder.....	1
56	1 750 614 M1	Holder, Fuse.....	1
57	15 358 A	Fuse (20 Amp).....	1
58	1 751 758 M91	Wire Assembly, Switch to Holder.....	1
59	1 751 757 M91	Wire Assembly, Holder to Main Wire.....	1
60	1 750 613 M1	Spring, Fuse Tension.....	1
61	182 952 M1	Clip, Wire.....	3
62	180 746 M2	Clip, Wire.....	8
63	1 750 678 M1	Clip, Wire.....	6
64	1 750 679 M1	Clip, Wire.....	3
67	353 441 X1	Washer (1/4" Lock).....	x
68	354 121 X1	Nut (1/4" NC, Hex.).....	x
69	353 432 X1	Washer (7/16" Lock).....	x
70	353 426 X1	Nut (7/16" NF, Hex.).....	x

Notes: (A) - For repairs order 182 930 M91 Lamp (See Page 131).  
 (B) - For repairs order 182 950 M91 Lamp (See Page 131).  
 (C) - For repairs order 1751 821 M91 Lamp (See Page 129).

## LIGHTING EQUIPMENT

F453





# LIGHTING EQUIPMENT

135

(HOOD MOUNTED)

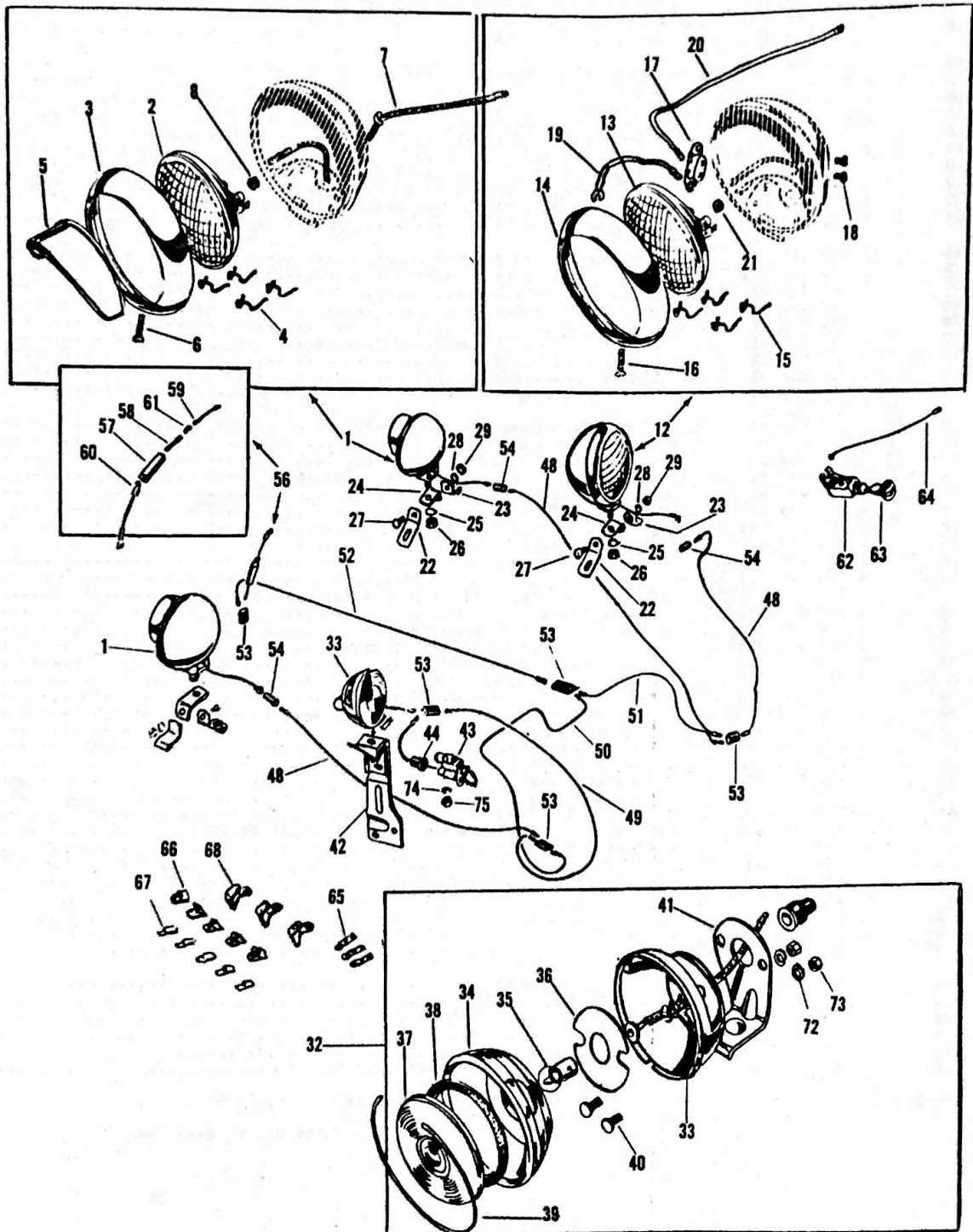
(DIESEL)

Ref. No.	Part No.	Description	No. Req.
1 (A)	182 924 M91	Lamp Assembly, Head (Left Front)(Incl. items 3 thru 8).....	1
2 (B)	182 925 M91	Lamp Assembly, Head (Right Front).....	1
3	1 002 803 M91	Bulb Assembly.....	1
4	1 752 311 M91	Moulding Assembly, Lamp (Stamped).....	1
5	1 750 642 M1	Spring, Bulb Retaining.....	4
6	353 979 X1	Screw, Moulding Retaining (5/32 x 1-1/4" NC, Rd.Hd.).....	2
7	1 750 650 M91	Wire Assembly, Headlamp.....	1
8	1 751 524 M1	Bolt, Lamp Mounting.....	1
12	182 926 M91	Lamp Assembly, Rear (Worklamp).....	1
13	1 002 803 M91	Bulb Assembly.....	1
14	1 752 311 M91	Moulding Assembly, Lamp (Stamped).....	1
15	1 750 642 M1	Spring, Bulb Retaining.....	4
16	353 979 X1	Screw, Moulding Retaining (5/32 x 1-1/4" NC, Rd. Hd.).....	2
17	1 750 656 M1	Switch, Toggle.....	1
18	353 975 X1	Screw, Switch to Body (5/32 x 1/4" NC, Rd. Hd.).....	2
19	1 750 657 M91	Wire Assembly, Switch to Bulb.....	1
20	1 750 687 M91	Wire Assembly, Circuit to Switch.....	1
21	1 751 524 M1	Bolt, Lamp Mounting.....	1
25	1 751 821 M91	Lamp Assembly, Rear (Tail Lamp).....	1
26	1 751 828 M91	Body Assembly, Lamp, w/Wire.....	1
27	1 751 837 M1	Lens, Tail Lamp.....	1
28	22 131 X	Bulb, Tail Lamp.....	1
29	1 751 834 M1	Gasket, Lens.....	1
30	1 751 833 M1	Reflector, Tail Lamps.....	1
31	1 751 836 M1	Gasket, Reflector.....	1
32	1 751 838 M1	Spring, Lens, Retaining.....	1
33	1 751 835 M1	Bolt, Tail Lamp to Bracket.....	2
38	1 750 675 M1	Support, Head Lamp, Left (Outer).....	1
39	1 750 676 M1	Support, Head Lamp, Right (Outer).....	1
40	1 750 659 M1	Reinforcement, Head Lamp Brackets.....	2
41	1 750 673 M1	Bracket, Work Lamp.....	1
42 (C)	1 750 677 M1	Support, Work Lamp.....	1
43	1 750 674 M1	Bracket, Tail Lamp.....	1
44	1 751 824 M91	Support Assembly, Tail Lamp.....	1
45	1 751 353 M2	Socket, Auxiliary Light.....	1
46	1 751 606 M1	Boot, Socket Protection.....	1
47	1 750 681 M91	Harness Assembly, Head Lamps.....	1
	1 750 601 M91	Harness Assembly, Tail Lamps.....	1
49	1 750 619 M91	Wire Assembly, Tail Lamp.....	1
50	1 750 621 M91	Wire Assembly, Work Lamp.....	1
51	1 750 616 M91	Wire Assembly, Lamp Connecting.....	1
52	1 750 623 M91	Connector Assembly (2 Way).....	3
53	1 750 618 M91	Connector Assembly (4 Way).....	3
54	1 750 602 M91	Wire Assembly, Fuse Holder.....	1
55	1 750 614 M1	Holder, Fuse.....	1
56	15 358 A	Fuse (20 Amp).....	1
57	1 750 603 M91	Wire Assembly, Switch to Holder.....	1
58	1 750 610 M91	Wire Assembly, Holder to Connector.....	1
59	1 750 613 M1	Spring, Fuse Tension.....	1
60	184 989 M91	Switch Assembly, Lights.....	1
61	186 959 M91	Knob, Light Switch.....	1
62	185 175 M92	Wire Assembly, Voltage Regulator to Light Switch.....	1
63	180 739 M1	Clip (to Grille).....	3
64	1 750 686 M1	Clamp (to Oil Pan).....	3
65	1 750 627 M1	Clip (Head Lamp Harness).....	1
65	1 751 387 M1	Clip (Head Lamp Harness).....	1
67	180 746 M2	Clip (to Axle and Fender).....	4
68	1 750 679 M1	Clamp (to Hydraulic Cover and Steering Housing).....	4
69	1 750 678 M1	Clip (to Fender).....	2
70	353 441 X1	Washer (1/4" Lock).....	x
71	354 121 X1	Nut (1/4" NC, Hex.).....	x
72	353 514 X1	Bolt (5/16 x 3/8" NF, Hex.).....	x
74	353 755 X1	Washer (5/16" Reg. Flat).....	x
75	353 446 X1	Washer (5/16" Lock).....	x
76	195 982 M1	Nut (1/2" NF, Hex., w/Nylon Insert).....	x

Notes: (A) - For repairs order 186 141 M91 Lamp (See Page 133).  
 (B) - For repairs order 186 142 M91 Lamp (See Page 133).  
 (C) - For repairs order 1 each of 188 415 M1 Washer and 515 658 M1 Medallion.

## LIGHTING EQUIPMENT

F 1551



# LIGHTING EQUIPMENT

137

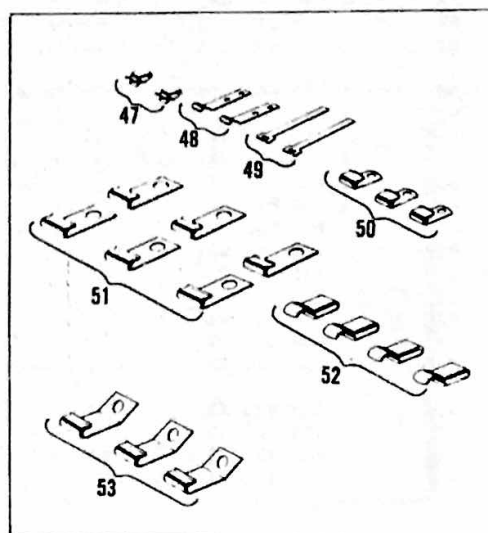
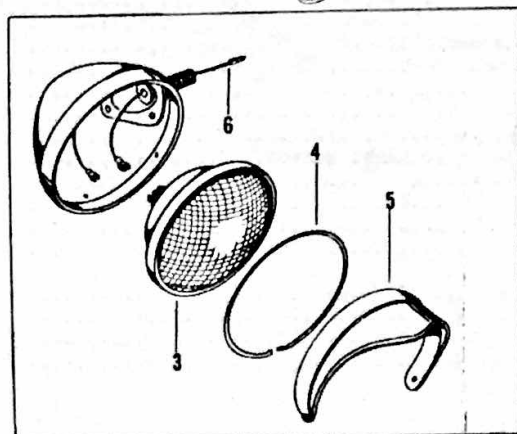
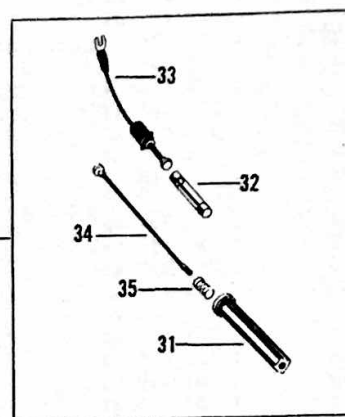
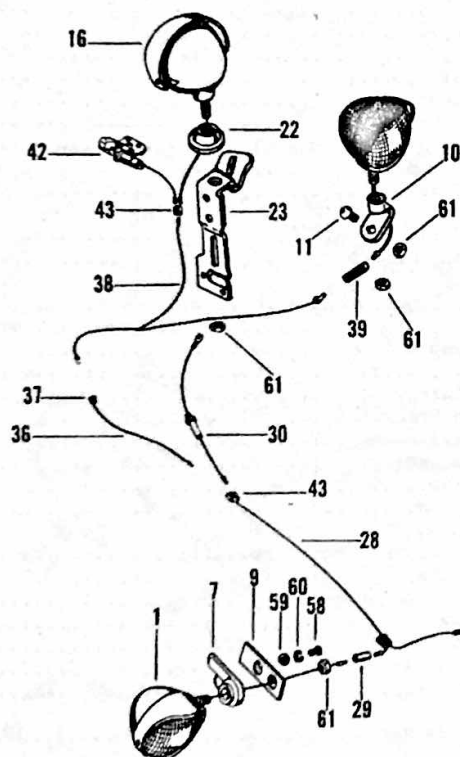
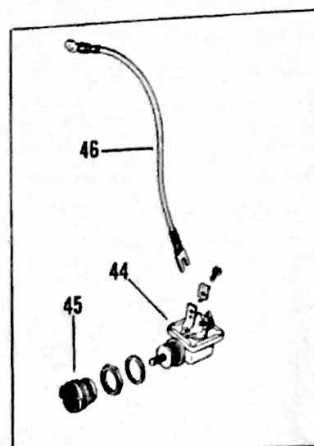
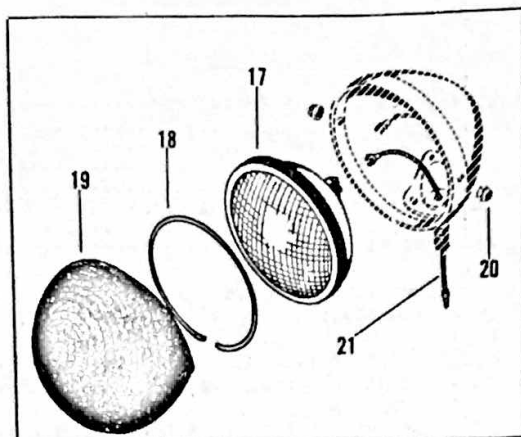
(FENDER MOUNTED)

(DIESEL)

Ref. No.	Part No.	Description	No. Req.
1	182 930 M91	Lamp Assembly, Front (Headlamp).....	2
2	1 752 866 M91	Bulb Assembly.....	1
3	1 752 865 M1	Moulding Bulb.....	1
4	1 752 867 M1	Spring, Bulb Retaining.....	4
5	1 752 868 M1	Shield, Head Lamp.....	1
6	355 883 X1	Screw, Moulding Retaining (#8 x 31/16" NC, Oval Hd.).....	1
7	1 752 884 M91	Wire Assembly, Head Lamp.....	1
8	832 654 M1	Grommet, Wire.....	1
12	182 950 M91	Lamp Assembly, Rear (Worklamp).....	1
13	1 752 866 M91	Bulb Assembly.....	1
14	1 017 603 M1	Moulding, Bulb.....	1
15	1 752 867 M1	Spring, Bulb Retaining.....	4
16	355 883 X1	Screw, Moulding Retaining (#8 x 13/16" NC, Oval Hd.).....	1
17	1 750 656 M1	Switch, Toggle.....	1
18	353 975 X1	Screw, Toggle Switch (#8 x 1/4" NC, Rd. Hd.).....	2
19	1 750 657 M91	Wire Assembly, Switch to Lamp.....	1
20	1 752 885 M91	Wire Assembly, Switch to Connector.....	1
21	1 752 883 M1	Grommet, Wire.....	1
22	1 751 773 M1	Support, Lamp (Inner).....	3
23	1 751 774 M1	Support, Lamp (Outer).....	3
24	1 751 781 M1	Support, Lamp (Hinge).....	3
25	1 751 767 M1	Washer, Lamp Stud (Spring).....	3
26	355 896 X1	Nut, Lamp Stud (Self-Locking).....	3
27	353 806 X1	Bolt, Supports (3/8 x 3/4" NF, Carr.).....	3
28	1 751 768 M1	Washer, Support Bolt (Spring).....	3
29	195 586 M1	Nut, Bolt (Self-Locking).....	3
32	1 751 821 M91	Lamp Assembly, Rear (Tail Lamp).....	1
33	1 751 828 M91	Body Assembly, Lamp, w/Wire.....	1
34	1 751 837 M1	Lens, Tail Lamp.....	1
35	22 131 X	Bulb, Tail Lamp.....	1
36	1 751 834 M1	Gasket, Lens.....	1
37	1 751 833 M1	Reflector, Tail Lamp.....	1
38	1 751 836 M1	Gasket, Reflector.....	1
39	1 751 838 M1	Spring, Lens Retaining.....	1
40	1 751 835 M1	Bolt, Tail Lamp to Bracket.....	2
41	1 751 824 M91	Bracket Assembly, Tail Lamp.....	1
42	1 750 674 M1	Bracket, Tail Lamp Mounting.....	1
43	1 751 353 M2	Socket, Auxiliary Lamp.....	1
44	1 751 606 M1	Boot, Socket Protection.....	1
48	1 751 766 M91	Wire Assembly, Headlamps and Worklamp.....	3
49	1 751 780 M91	Wire Assembly, Tail Lamp.....	1
50	1 751 783 M91	Wire Assembly, Tail Lamp Connecting.....	1
51	1 751 782 M91	Wire Assembly, Worklamp Connecting.....	1
52	1 750 616 M91	Wire Assembly, Main.....	1
53	1 750 618 M92	Connector Assembly (4 Way).....	5
54	1 750 623 M91	Connector Assembly (2 Way).....	3
56	1 750 602 M91	Wire Assembly, Fuse Holder.....	1
57	1 750 614 M1	Holder, Fuse.....	1
58	15 358 A	Fuse (20 Amp).....	1
59	1 750 603 M91	Wire Assembly, Switch to Holder.....	1
60	1 750 610 M91	Wire Assembly, Holder to Connector.....	1
61	1 750 613 M1	Spring, Fuse Tension.....	1
62	184 989 M91	Switch Assembly, Lights.....	1
63	186 959 M91	Knob, Light Switch.....	1
64	185 175 M92	Wire Assembly, Voltage Regulator to Light Switch.....	1
65	182 952 M1	Clip, Wire.....	3
66	180 746 M2	Clip, Wire.....	8
67	1 750 678 M1	Clip, Wire.....	6
68	1 750 679 M1	Clip, Wire.....	3
72	353 441 X1	Washer (1/4" Lock).....	x
73	354 121 X1	Nut (1/4" NC, Hex.).....	x
74	353 432 X1	Washer (7/16" Lock).....	x
75	353 426 X1	Nut (7/16" NF, Hex.).....	x

## LIGHTING EQUIPMENT

F557





# LIGHTING EQUIPMENT

139

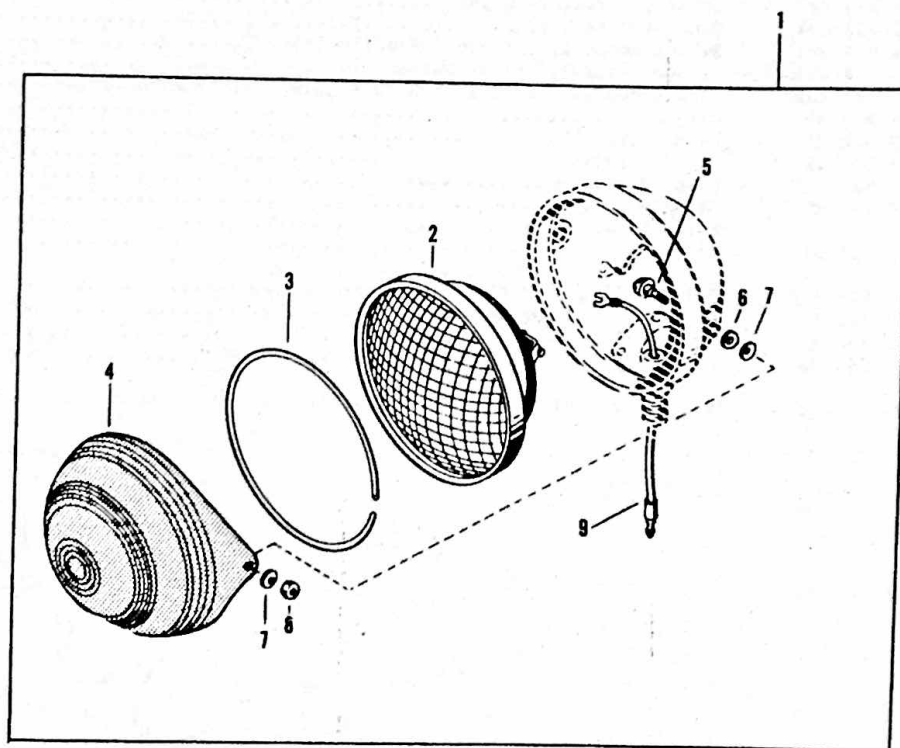
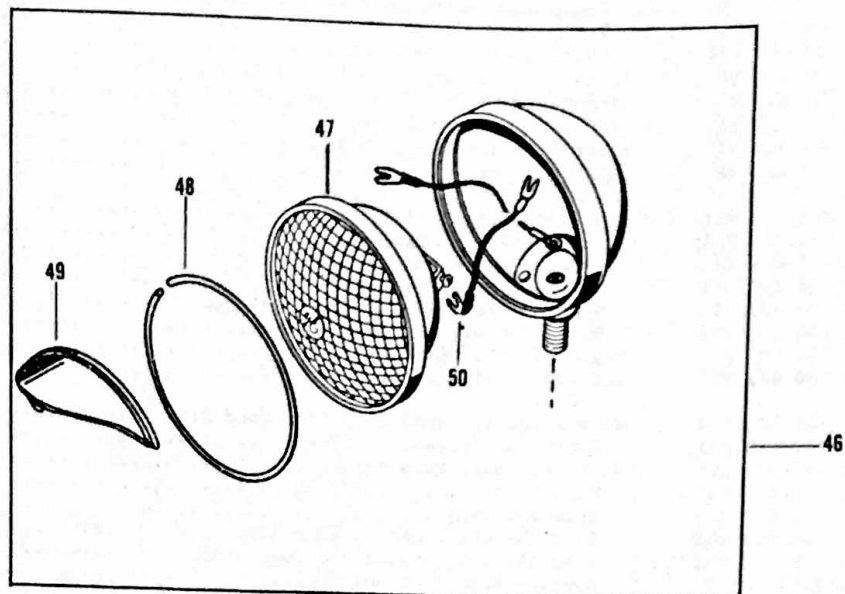
(UNIVERSAL TYPE LAMPS)

Ref. No.	Part No.	Description	No. Req.
1	186 141 M91	Lamp Assembly, Head, Right Hand (Incl. items 3 thru 6).....	1
2	186 142 M91	Lamp Assembly, Head, Left Hand.....	1
3	1 038 428 M91	Bulb Assembly, Head Lamp.....	1
4	1 754 918 M1	Ring, Bulb Retaining.....	1
5	1 754 666 M1	Visor, Head Lamp.....	1
6	1 750 650 M91	Wire Assembly, Head Lamp.....	1
7	1 750 675 M1	Support, Head Lamp, Right Hand (for Hood).....	1
8	1 750 676 M1	Support, Head Lamp, Left Hand (for Hood).....	1
9	1 750 659 M1	Reinforcement, Head Lamps.....	2
10	506 865 M1	Support, Head Lamp (For Fender).....	2
11	186 230 M1	Bolt, Support to Fender.....	2
16 (A)	186 140 M91	Lamp Assembly, Tail (Work and Warning).....	1
17	1 754 916 M91	Bulb Assembly, Tail Lamp.....	1
18	1 754 918 M1	Ring, Bulb Retaining.....	1
19	1 754 667 M91	Lens, Swinging, Tail Lamp.....	1
20	1 754 920 M1	Nut, Lens Retaining.....	2
21	1 750 650 M91	Wire Assembly, Tail Lamp.....	1
22	1 750 677 M1	Support, Tail Lamp.....	1
23	1 750 674 M1	Bracket, Tail Lamp Mounting.....	1
28	186 918 M91	Wire Assembly, Head Lamp (for Hood Mtd. Lights).....	1
29	1 750 623 M91	Connector Assembly (2 Way).....	2
30	1 750 602 M91	Wire Assembly, Fuse Holder.....	1
31	1 750 614 M1	Holder, Fuse.....	1
32	15 358 A	Fuse (20 Amp).....	1
33	1 750 603 M91	Wire Assembly, Switch to Holder.....	1
34	1 750 610 M91	Wire Assembly, Holder to Connector.....	1
35	1 750 613 M1	Spring, Fuse Tension.....	1
36	186 917 M91	Wire Assembly, Main.....	1
37	1 750 618 M91	Connector Assembly (4 Way).....	1
38	186 447 M91	Wire Assembly, Tail Lamp (also used w/Fender Mtd. Head Lamps).....	1
39	1 750 623 M91	Connector (2 Way).....	1
	186 217 M91	Wire Assembly (for Right Hand Fender Mtd. Head Lamp).....	1
	1 750 623 M91	Connector (2 Way).....	1
42	1 751 353 M2	Socket, Auxiliary Light.....	1
43	1 750 618 M91	Connector (4 Way).....	1
44	184 989 M91	Switch Assembly, Lights (Diesel only).....	1
45	186 959 M91	Knob Assembly, Light Switch.....	1
46	185 173 M92	Wire Assembly, Light Switch to Regulator (Diesel only).....	1
47	186 930 M1	Clip, Wire.....	2
48	182 952 M1	Clip, Wire.....	2
49	1 751 387 M1	Clip, Wire.....	2
50	180 739 M1	Clip, Wire.....	3
51	180 746 M2	Clip, Wire.....	6
52	1 750 678 M1	Clip, Wire.....	4
53	185 321 M1	Clip, Wire.....	3
58	353 514 X1	Bolt (5/16 x 3/8" NF, Hex.).....	x
59	353 775 X1	Washer (5/16" Small Flat).....	x
60	353 446 X1	Washer (5/16" Lock).....	x
61	195 982 M1	Nut (1/2" NF, Hex., w/Nylon Insert).....	x

Note: (A) - For repairs order 1038 428 M91 Lamp (See Page 135).

## LAMP ASSEMBLY

F1552



## LAMP ASSEMBLY

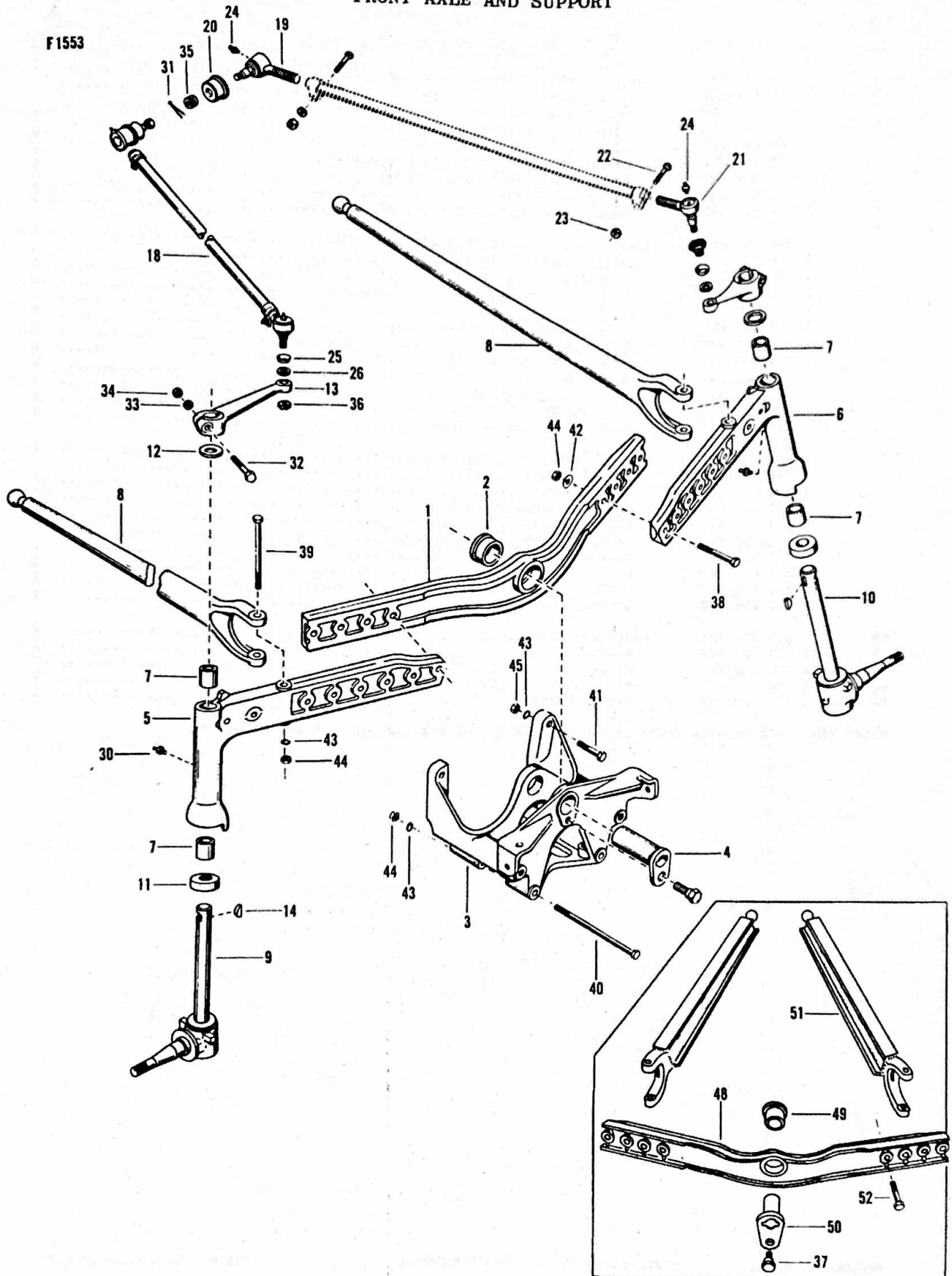
141

Ref. No.	Part No.	Description	No. Req.
1	193 599 M91	Lamp Assembly, Work and Warning.....	1
2	1 754 916 M91	Bulb Assembly, Tail Lamp.....	1
3	1 754 918 M1	Ring, Bulb Retaining.....	1
4	1 023 205 M1	Lens, Warning (Red).....	1
5	1 023 202 M1	Screw, Lens Retaining (#10 NF, Special).....	2
6	1 023 203 M1	Washer, Bushing (#10 Spring Type).....	2
7	1 023 204 M1	Washer, Lens (#10 Spring Type).....	4
8	358 990 X1	Nut (#10 NF, Hex.).....	2
9	1 750 650 M91	Wire Assembly, Tail Lamp.....	1
	190 742 M91	Lamp Assembly, Work (Not Illustrated).....	1
	1 002 802 M91	Bulb Assembly.....	1
	1 750 638 M1	Ring.....	2
	1 752 309 M1	Screw and Washer.....	4
	1 752 640 M1	Strap, Ground.....	1
	1 750 687 M91	Wire Assembly.....	1
	1 750 657 M91	Wire Assembly.....	1
	1 750 656 M1	Switch, Toggle.....	1
	353 975 X1	Screw, Body to Switch.....	2
(A)	1 751 524 M1	Bolt, Lamp Mounting.....	1
		Moulding, Assembly.....	1
	357 357 X1	Screw, Moulding Retaining.....	2
	190 927 M91	Lamp Assembly (Not Illustrated).....	1
	1 751 828 M91	Body Assembly.....	1
	1 751 835 M1	Stud, Body.....	2
	1 751 834 M1	Gasket, Rear.....	1
	1 750 670 M1	Bulb.....	1
	1 751 833 M1	Lens, License.....	1
	1 751 836 M1	Gasket, Front.....	1
	1 751 837 M1	Lens, Tail.....	1
	1 751 838 M1	Spring, Lens.....	1
	1 751 824 M92	Bracket and Stud Assembly.....	1
46	231 495 M91	Lamp Assembly.....	1
47	1 002 803 M91	Bulb.....	1
48	1 754 918 M1	Ring.....	1
49	1 754 666 M1	Visor.....	1
50	1 750 650 M91	Cable Assembly.....	1

Note: (A) - For repairs order (1) 1752 311 M91 Moulding and (4) 1750 642 M1 Spring.

## FRONT AXLE AND SUPPORT

F1553



1st Print



# FRONT AXLE AND SUPPORT

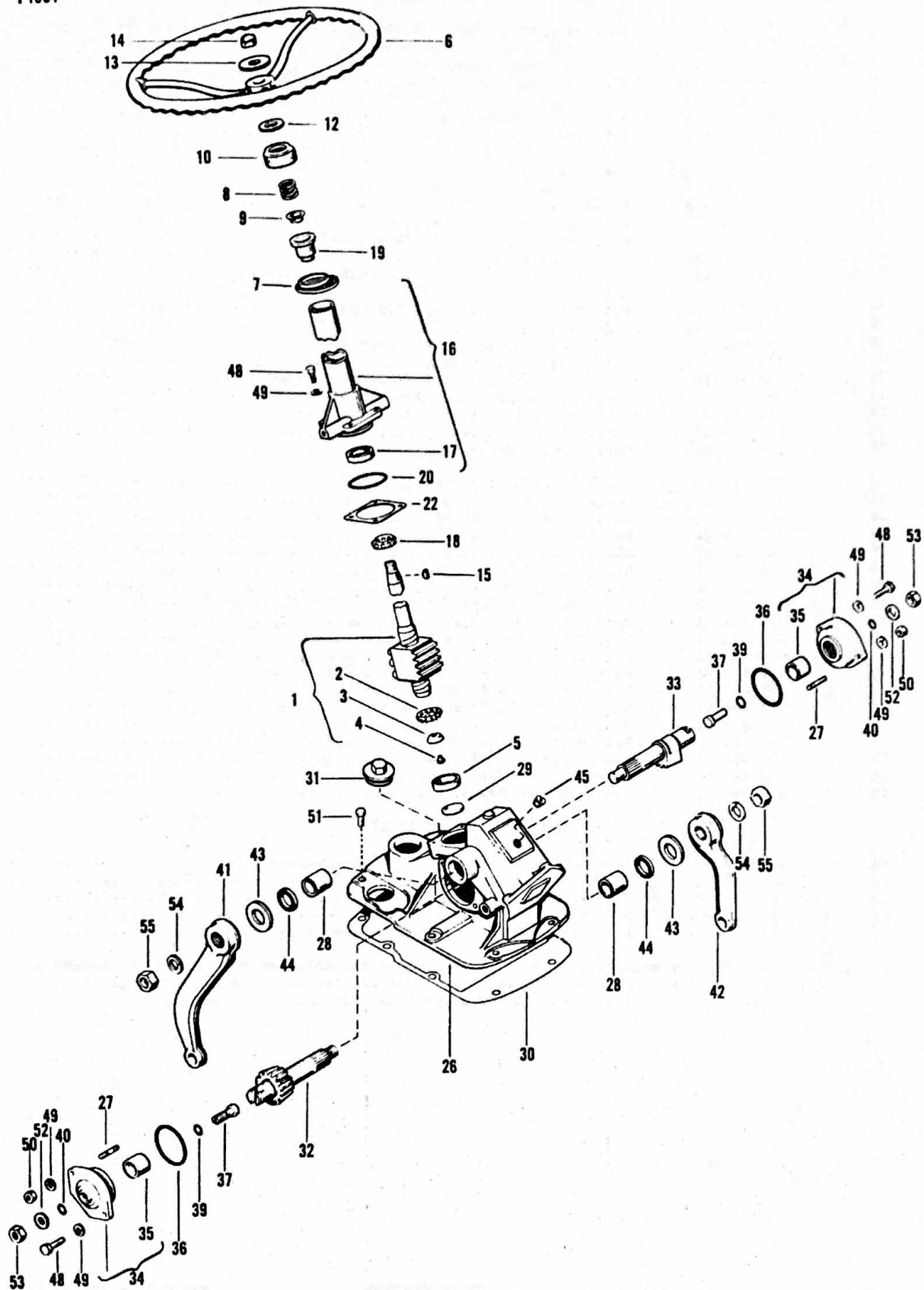
143

Ref. No.	Part No.	Description	No. Req.
1 (A)	180 342 M91	Axle Assembly, Front.....	1
2	180 344 M1	Bushing (1-49/64 x 1-29/32 x 1-1/2").....	2
3 (B)	180 330 M1	Support, Front Axle (Gas).....	1
3	826 968 M2	Support, Front Axle (Standard Motors Diesel).....	1
4	183 221 M1	Pin Assembly, Front Axle Pivot.....	1
5	180 326 M91	Extension Assembly, Front Axle, Right.....	1
6	180 327 M91	Extension Assembly, Front Axle, Left.....	1
7	180 345 M1	Bushing (1-1/4 x 1-3/8 x 1-1/2").....	2
8	521 488 M91	Rod Assembly, Radius.....	2
9	180 346 M92	Spindle Assembly, Right.....	1
10	180 349 M92	Spindle Assembly, Left.....	1
11	18 560 X	Bearing, Thrust, Spindle.....	2
12	180 355 M1	Seal, Dust, Spindle (1-1/4 x 1-13/16 x 9/32").....	2
13	180 350 M1	Arm, Spindle.....	2
14	350 355 X1	Key, Arm (5/16 x 1-1/4" Woodruff).....	2
18	180 780 M92	Link Assembly, Steering (Tie Rod).....	2
19	180 391 M91	End Assembly, Rear.....	1
20	196 099 M1	Cover Assembly, Dust, Rear End.....	1
21	180 381 M91	End Assembly, Front.....	1
22	353 521 X1	Bolt, Clamp (5/16 x 1-1/4" NF, Hex.).....	1
23	195 454 M1	Nut (5/16" NF, Hex., Special).....	1
24	13 811 X	Grease Fitting (1/4" NF, Straight).....	1
25	180 361 M1	Retainer, Grease.....	2
26	180 360 M1	Cover, Dust, Front End.....	2
30	365 572 X1	Grease Fitting (1/8" P.T., Str.).....	x
31	354 057 X1	Cotter Pin (1/8 x 3/4").....	x
32	353 572 X1	Bolt (7/16 x 2-5/8" NF, Hex.).....	x
33	353 432 X1	Washer (7/16" Lock).....	x
34	353 426 X1	Nut (7/16" NF, Hex.).....	x
35	353 926 X1	Nut (1/2" NF, Hex., Sltd.).....	x
36	195 259 M1	Nut (1/2" NF, Hex., Spec.).....	x
37	181 953 M2	Bolt, Shoulder (5/8 x 1-7/8" NF, Hex.).....	x
38	353 622 X1	Bolt (5/8 x 2-7/8" NF, Hex.).....	x
39	353 642 X1	Bolt (5/8 x 5-5/16" NF, Hex.).....	x
40	826 748 M1	Bolt (5/8" NF, Hex.) (Diesel).....	x
40	355 435 X1	Bolt (5/8 x 11-5/8" NF, Hex.) (Gas).....	x
41	354 287 X1	Bolt (5/8 x 2-5/8" NC, Hex.).....	x
41	354 284 X1	Bolt (5/8 x 2-1/8" NC, Hex.).....	x
41	826 969 M1	Stud (5/8" NC).....	x
42	353 774 X1	Washer (5/8" Heavy Flat).....	x
43	353 433 X1	Washer (5/8" Lock).....	x
44	353 427 X1	Nut (5/8" NF, Hex.).....	x
45	375 099 X1	Nut (5/8" NC, Hex.).....	x
(UTILITY AXLE)			
48	183 219 M91	Axle Assembly, Front.....	1
49	182 850 M1	Bushing (Flanged).....	1
50	183 221 M1	Pin, Front Axle Pivot.....	1
51	183 212 M91	Rod Assembly, Radius.....	2
52	353 623 X1	Bolt, Front Axle (5/8 x 3" NF, Hex.).....	4

Notes: (A) - For repairs order 1 each of 183 219 M1 Axle Assembly and 183 221 M1 Pin Assembly.  
 (B) - For repairs order 1 each of 182 377 M1 Spacer, 182 378 M1 Spacer, 353 621 X1 Bolt, 353 427 X1 Nut, 826 890 M2 Support and (3) 354 285 X1 Bolts.

## MANUAL STEERING GEAR

F1554



## STEERING GEAR

145

(MANUAL)

Ref. No.	Part No.	Description	No. Req.
1	180 538 M91	Shaft Assembly, Steering, w/worm.....	1
2	180 549 M1	Cone, Bearing.....	1
3	180 548 M1	Retainer, Thrust Bearing.....	1
4	180 547 M1	Eyelet, Steering Worm.....	1
5	180 526 M1	Cup, Bearing.....	1
6	180 576 M1	Wheel, Steering.....	1
7 (A)	186 627 M1	Seal, Cover (Rubber).....	1
7 (B)	180 575 M1	Seal, Cover (Rubber).....	1
8	180 572 M1	Spring, Steering Shaft.....	1
9	180 563 M1	Seat, Steering Shaft, Spring.....	1
10 (A)	184 785 M1	Cap, Steering Column (1-9/64" Long).....	1
10 (B)	182 387 M1	Cap, Steering Column (2-1/2" Long).....	1
10 (C)	180 574 M1	Cap, Steering Column (1-5/8" Long).....	1
12	180 573 M1	Seal, Dust (13/16 x 1-9/16 x 3/32" Felt).....	1
13	180 577 M1	Washer (21/32 x 1-27/32 x 3/64").....	1
14	195 592 M1	Nut, Steering Shaft Dome.....	1
15	2 951 X	Key, Wheel to Shaft (3/16 x 3/4" Woodruff).....	1
16	180 524 M91	Cover Assembly, Housing, Upper.....	1
17	180 526 M1	Cup, Bearing.....	1
18	180 549 M1	Bearing, Roller.....	1
19	180 528 M91	Bearing Assembly, Steering Shaft.....	1
20	180 561 M1	"O" Ring, Cover.....	1
22	830 627 M91	Shim Kit, Housing Cover.....	x
22		Shim (.002")(Order 830 627 M91).....	1
22		Shim (.005")(Order 830 627 M91).....	1
22		Shim (.010")(Order 830 627 M91).....	1
22		Shim (.030")(Order 830 627 M91).....	1
26	180 550 M91	Housing Assembly, Steering Gear.....	1
27	195 590 M1	Stud (3/8" NC - NF x 1-7/16").....	2
28	180 553 M1	Bushing (1-1/8 x 1-1/4 x 1-3/8").....	2
29	13 710 X	Plug (1-1/4" Expansion).....	1
30	180 511 M1	Gasket, Housing.....	1
31	768 300 M1	Plug, Housing Filler.....	1
32	180 557 M1	Gear, Pitman Shaft (Double).....	1
33	180 558 M1	Gear, Pitman Shaft (Single).....	1
34	180 535 M91	Cover Assembly, Housing, Side.....	2
35	180 537 M1	Bushing (1-1/8 x 1-1/4 x 27/32").....	1
36	180 560 M1	"O" Ring, Side, Cover (Large).....	2
37	1 023 837 M1	Adjuster, Lash, Steering Gear.....	2
	830 628 M91	Shim Kit, Lash Adjuster.....	x
39		Shim (.063")(Order 830 628 M91).....	1
39		Shim (.065")(Order 830 628 M91).....	1
39		Shim (.067")(Order 830 628 M91).....	1
39		Shim (.069")(Order 830 628 M91).....	1
40	180 559 M1	"O" Ring, Side Cover (Small).....	2
41	180 522 M1	Arm, Pitman, Right Hand.....	1
42	180 523 M1	Arm, Pitman, Left Hand.....	1
43	180 562 M1	Seal, Dust (1-3/32 x 1-7/8 x 3/16" Felt).....	2
44	833 455 M1	Seal, Oil (1-1/8 x 1-7/16 x 1/4").....	2
45	375 185 X1	Plug (3/8" Pipe, Sltd. Hd.).....	1
48	353 692 X1	Bolt (3/8 x 1-1/8" NC, Hex.).....	x
49	353 434 X1	Washer (3/8" Lock).....	x
50	353 431 X1	Nut (3/8" NF, Hex.).....	x
51	353 700 X1	Bolt (7/16 x 1-1/4" NC, Hex.).....	x
52	353 757 X1	Washer (7/16" Lock).....	x
53	353 428 X1	Nut (7/16" NF, Half Hex.).....	x
54	353 440 X1	Washer (3/4" Lock).....	x
55	353 436 X1	Nut (3/4" NF, Half Hex.).....	x

Notes: (A) - Used Tractor Serial Number 204 181 and up.  
 (B) - Used Tractor Serial Number 154 616 thru 204 180.  
 (C) - Used prior to Tractor Serial Number 154 616.





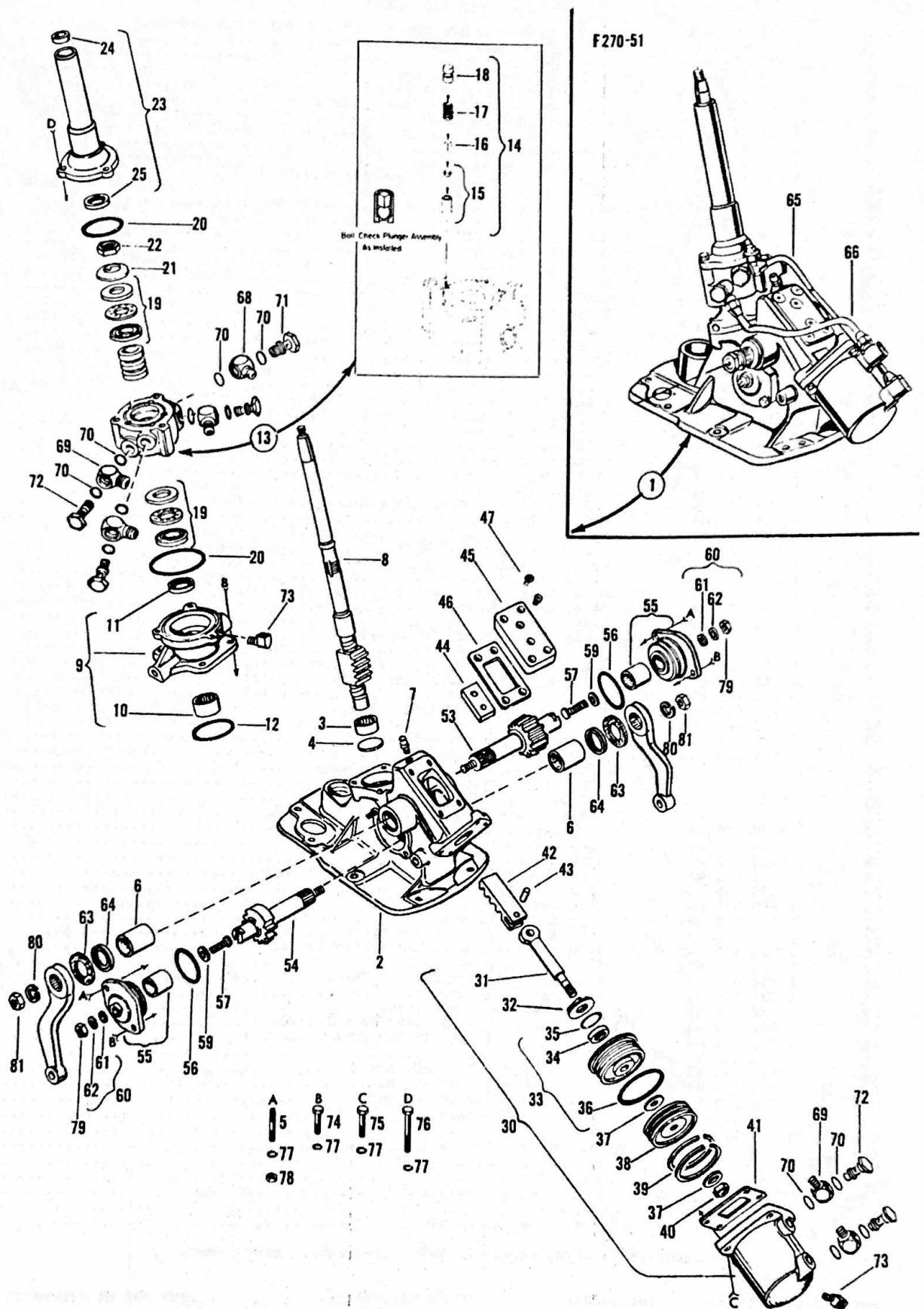
## STEERING GEAR

147

Ref. No.	Part No.	Description	No. Req.
		(POWER)	
2	183 169 M91	Steering Gear Assembly (Order 189 739 M92 - See Page 143).....	1
3	1 751 645 M91	Housing Assembly, Steering Gear.....	1
4	195 872 M1	Bearing, Needle.....	1
5	1 793 X	Plug (1-3/8" Expansion).....	1
6	195 590 M1	Stud (3/8" NC - NF x 1-7/16").....	2
7	180 553 M1	Bushing (1-1/8 x 1-1/4 x 1-3/8").....	2
8	1 751 692 M91	Vent Assembly, Breather.....	1
9	1 751 666 M91	Shaft Assembly, Steering.....	1
10	1 751 637 M91	Adapter Assembly.....	1
11	196 076 M1	Bearing, Needle.....	1
12	1 751 703 M1	Seal, Oil (1-11/64 x 1-3/4 x 23/64").....	1
13	180 561 M1	"O" Ring, Adapter.....	1
14	1 755 047 M91	Valve Assembly (Order 1018 735 M92 - See Page 143).....	1
15	1 751 683 M1	Plunger, Valve.....	10
16	1 018 736 M1	Spring, Valve Plunger.....	5
17	1 751 676 M1	Bearing, Valve Thrust.....	2
18	1 751 687 M1	"O" Ring, Valve.....	2
19	1 751 691 M1	Spring, Valve Spool Re-Load.....	1
20	1 751 647 M1	Nut, Valve Bearing, Lock.....	1
21	1 751 639 M91	Cover Assembly, Valve.....	1
22	1 751 700 M1	Bearing (13/16 x 1-13/32 x 5/64").....	1
28	1 751 702 M1	Seal, Oil (49/64 x 1-3/8 x 25/64").....	1
29	1 751 657 M91	Cylinder Assembly.....	1
30	1 751 662 M1	Rod, Piston.....	1
31	1 751 664 M1	Plate, Rack Stop.....	1
32	1 751 659 M91	Adapter Assembly (Order 1019 500 M91 - See Page 143).....	1
33	1 751 701 M1	Seal, Oil (5/8 x 1-1/4 x 25/64").....	1
34	1 751 677 M1	"O" Ring, Adapter (Small).....	1
35	1 000 543 M1	"O" Ring, Adapter (Large).....	2
36	1 751 655 M1	Washer (1/2 x 1 x 3/32").....	2
37	1 751 661 M1	Piston, Cylinder.....	1
38	1 751 663 M1	Ring, Piston.....	2
39	364 449 X1	Nut (1/2" NF, Hex., Self Locking).....	1
40	1 752 931 M1	Gasket, Cylinder.....	1
41	1 751 665 M1	Rack.....	1
42	1 751 652 M1	Pin, Rack (3/8 x 27/32").....	1
43	1 751 644 M1	Guide, Rack.....	1
44	1 751 643 M1	Cover, Rack Guide.....	1
45	1 751 688 M1	Shim, Cover (.003").....	x
46	1 751 689 M1	Shim, Cover (.005").....	x
47	1 751 690 M1	Shim, Cover (.010").....	x
48	1 751 653 M1	Screw, Cover (3/8" NC, Special).....	6
50 (A)	1 752 890 M1	Gear, Pitman Shaft (Left Hand) (See Note).....	1
51 (A)	1 751 686 M2	Gear, Pitman Shaft (Left Hand) (See Note).....	1
52 (A)	1 752 891 M1	Gear, Pitman Shaft (Right Hand) (See Note).....	1
53 (A)	1 751 705 M1	Gear, Pitman Shaft (Right Hand) (See Note).....	1
54	180 535 M91	Cover Assembly, Housing, Side.....	2
55	180 560 M1	"O" Ring, Side Cover (Large).....	2
56	1 023 837 M1	Adjuster, Lash, Pitman Shaft Gears.....	2
57	830 628 M91	Shim Kit, Lash Adjuster.....	1
58		Shim (.063") (Order 830 628 M91).....	1
59		Shim (.065") (Order 830 628 M91).....	1
60		Shim (.067") (Order 830 628 M91).....	1
61		Shim (.069") (Order 830 628 M91).....	1
62	180 559 M1	"O" Ring, Side Cover (Small).....	2
63	180 522 M1	Arm, Pitman (Right Hand).....	1
64	180 523 M1	Arm, Pitman (Left Hand).....	1
65	180 562 M1	Seal, Dust (1-3/32 x 1-7/8 x 3/16" Felt).....	2
66	833 455 M1	Seal, Oil (1-1/8 x 1-7/16 x 1/4").....	2
67	1 753 011 M91	Hose Assembly, Pressure.....	1
68	1 753 012 M91	Hose Assembly, Return.....	1
69	1 751 670 M91	Tube Assembly, Cylinder (Valve to Rod End).....	1
70	1 751 671 M91	Tube Assembly, Cylinder (Valve to Head End).....	1
71	1 751 672 M91	Tube Assembly, Bleed Line.....	1
72	1 751 875 M1	Fitting, Banjo Type (3/4" Thick).....	2
73	1 031 006 M1	Fitting, Banjo Type (7/8" Thick).....	4
74	763 026 M1	"O" Ring, Banjo Fittings.....	12
75	1 751 876 M1	Fitting, Bolt Type (5/8" NF x 1-11/32").....	2
76	1 751 675 M1	Fitting, Bolt Type (9/16" NF x 1-15/32").....	4
77	22 228 X	Elbow, Bleed Line.....	2
78	353 692 X1	Bolt (3/8 x 1-1/8" NC, Hex.).....	6
79	353 693 X1	Bolt (3/8 x 1-1/4" NC, Hex.).....	4
80	354 273 X1	Bolt (3/8 x 2-7/8" NC, Hex.).....	4
81	353 434 X1	Washer (3/8" Lock).....	16
82	353 431 X1	Nut (3/8" NF, Hex.).....	2
83	353 432 X1	Washer (7/16" Lock).....	2
84	353 428 X1	Nut (7/16" NF, Half Hex.).....	2
85	353 440 X1	Washer (3/4" Lock).....	x
86	353 436 X1	Nut (3/4" NF, Half Hex.).....	2
	183 232 M1	Clip, Hose.....	1
	2 962 X	Elbow, Hose (in Pump).....	2

Note: (A) - Please check these parts carefully before ordering. See inserts.

## POWER STEERING GEAR



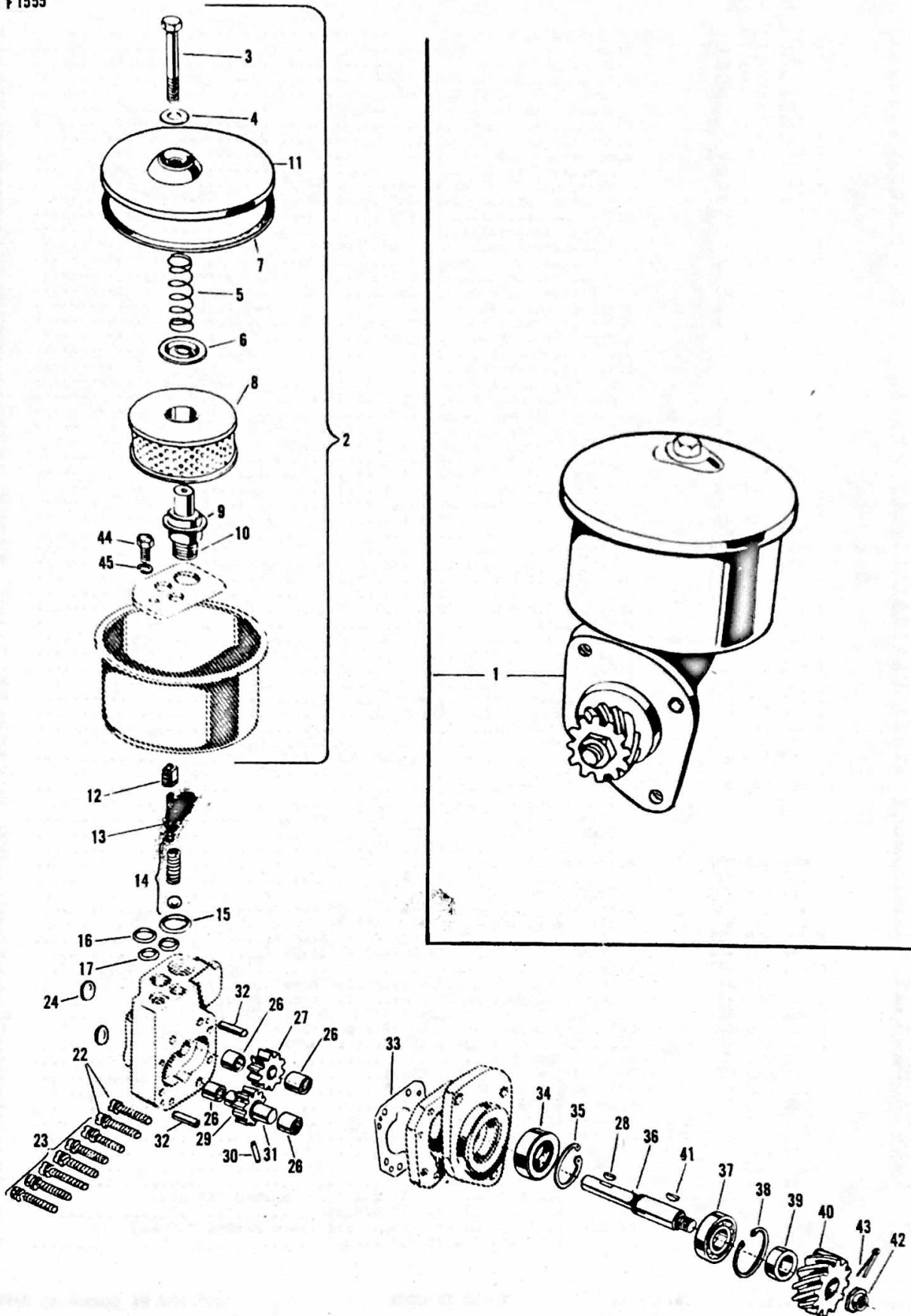
## POWER STEERING GEAR

149

(SERVICE REPLACEMENT)

Ref. No.	Part No.	Description	No. Req.
1	189 739 M92	Gear Assembly, Steering.....	1
2	1 751 645 M91	Housing Assembly, Steering Gear.....	1
3	195 872 M1	Bearing, Needle.....	1
4	1 793 X	Plug (1-3/8" Expansion).....	1
5	195 590 M1	Stud (3/8" NC - NF x 1-7/16").....	2
6	180 553 M1	Bushing (1-1/8 x 1-1/4 x 1-3/8").....	2
7	1 751 692 M91	Vent Assembly, Breather.....	1
8	1 751 686 M91	Shaft Assembly, Steering.....	1
9	1 017 653 M91	Adapter Assembly.....	1
10	196 076 M1	Bearing, Needle.....	1
11 (A)	1 751 703 M1	Seal, Oil (1-11/64 x 1-3/4 x 23/64").....	1
12 (A)	180 561 M1	"O" Ring, Adapter (2-39/64" ID x 1/8").....	1
13	1 018 735 M92	Valve Assembly.....	1
14	841 524 M91	Repair Kit, Valve.....	1
15	1 021 063 M91	Plunger Assembly, w/Ball Check.....	5
16	1 021 431 M1	Spacer, Ball Check.....	5
17	1 018 736 M1	Spring, Centering.....	5
18	1 021 430 M1	Plunger, Centering (Solid).....	5
19	1 751 676 M1	Bearing, Valve Thrust.....	2
20 (A)	1 751 687 M1	"O" Ring, Valve (2-53/64" ID x 7/64").....	2
21	1 751 691 M1	Spring, Valve Spool Pre-Load.....	1
22	1 751 647 M1	Nut, Valve Bearing Lock.....	1
23	1 751 639 M91	Cover Assembly, Valve.....	1
24	1 751 700 M1	Bearing (13/16 x 1-13/32 x 5/64").....	1
25 (A)	1 751 702 M1	Seal, Oil (49/64 x 1-3/8 x 25/64").....	1
30	1 751 657 M91	Cylinder Assembly.....	1
31	1 751 682 M1	Rod, Piston.....	1
32	1 751 664 M1	Plate, Rack Stop.....	1
33	1 019 500 M91	Adapter Assembly.....	1
34 (B)	1 751 701 M1	Seal, Oil (5/8 x 1-1/4 x 25/64").....	1
35 (B)	1 751 677 M1	"O" Ring (1-7/64" ID x 1/8").....	1
36 (B)	1 000 543 M1	"O" Ring (2-23/32" ID x 1/8").....	2
37	1 751 656 M1	Washer (1/2 x 1 x 3/32").....	2
38	1 751 661 M1	Piston, Cylinder.....	1
39 (B)	1 751 663 M1	Ring, Piston.....	2
40	364 449 X1	Nut, Piston Retaining (1/2" NF, Hex., Special).....	1
41 (B)	1 752 931 M1	Gasket, Cylinder.....	1
42	1 751 665 M1	Rack.....	1
43	1 751 652 M1	Pin, Rack (3/8 x 27/32").....	1
44	1 751 644 M1	Guide, Rack.....	1
45	1 751 643 M1	Cover, Rack Guide.....	1
46	1 751 688 M1	Shim, Cover (.003").....	x
46	1 751 689 M1	Shim, Cover (.005").....	x
46	1 751 690 M1	Shim, Cover (.010").....	x
47	1 751 653 M1	Screw, Cover (3/8" NC, Special).....	6
53	1 752 890 M1	Gear, Pitman Shaft (Left Hand).....	1
54	1 752 891 M1	Gear, Pitman Shaft (Right Hand).....	1
55	180 535 M91	Cover Assembly, Housing, Side.....	2
56	180 560 M1	"O" Ring, Side Cover (2-15/32" ID x 1/8").....	2
57	1 023 837 M1	Adjuster, Lash.....	2
	830 628 M91	Shim Kit, Lash Adjuster.....	1
59		Shim (.063").....	1
59		Shim (.065").....	1
59		Shim (.067").....	1
59		Shim (.069").....	1
60	835 543 M91	Adjuster Kit.....	1
61	180 559 M1	Seal, Side Cover (7/16 x 9/16 x 3/32").....	1
62	22 456 X	Washer (7/16" Lock).....	1
63	180 562 M1	Seal, Dust (1-3/32 x 1-7/8 x 3/16" Felt).....	2
64	833 445 M1	Seal, Oil (1-1/8 x 1-7/16 x 1/4").....	2
65	1 751 670 M91	Line Assembly, Valve to Cylinder (Front).....	1
66	1 751 671 M91	Line Assembly, Valve to Cylinder (Rear).....	1
	1 751 672 M91	Line Assembly, Bleed.....	1
68	1 751 875 M1	Fitting, Banjo Type (for Hydraulic Hose).....	2
69	1 031 006 M1	Fitting, Banjo Type (for Hydraulic Lines).....	4
70	782 026 M1	"O" Ring, Banjo Fittings (11/16" ID x 7/64").....	12
71	1 751 876 M1	Bolt, Banjo Fitting (5/8" NF x 1-11/32").....	2
72	1 751 875 M1	Bolt, Banjo Fitting (9/16" NF x 1-15/32").....	4
73	22 228 X	Elbow, Bleed Line.....	2
74	353 692 X1	Bolt (3/8 x 1-1/8" NC, Hex.).....	6
75	353 693 X1	Bolt (3/8 x 1-1/4" NC, Hex.).....	4
76	354 273 X1	Bolt (3/8 x 2-7/8" NC, Hex.).....	4
77	353 434 X1	Washer (3/8" Lock).....	1
78	353 431 X1	Nut (3/8" NF, Hex.).....	1
79	353 428 X1	Nut (7/16" NF, Half Hex.).....	2
80	353 440 X1	Washer (3/4" Lock).....	2
81	353 436 X1	Nut (3/4" NF, Half Hex.).....	2
	835 681 M91	Seal Kit, Valve Repair (Incl. all items marked "A" and 8 of 762 026 M1 "O" Rings).....	1
	835 682 M91	Seal Kit, Cylinder Repair (Incl. all items marked "B" and 4 of 762 026 M1 "O" Rings).....	1

F 1555





## HYDRAULIC PUMP

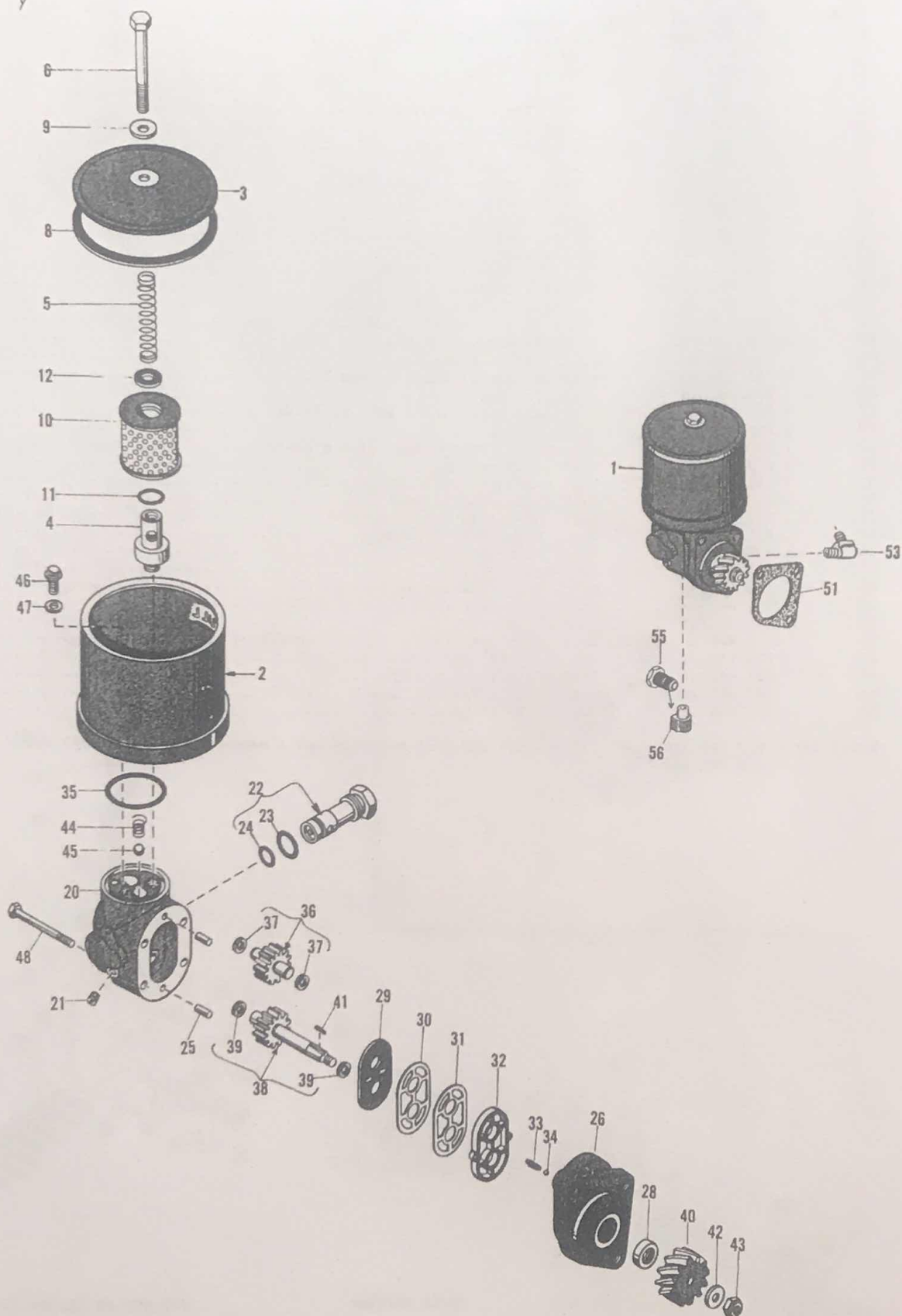
151

(POWER STEERING)

Ref. No.	Part No.	Description	No. Req.
1 (A)	182 493 M91	Pump Assembly, Hydraulic.....	1
2	1 751 632 M91	Reservoir Assembly, Oil.....	1
3	1 017 511 M1	Bolt, Cover.....	1
4	1 017 512 M1	Washer, Cover Bolt.....	1
5	1 017 513 M1	Spring, Element.....	1
6	1 017 514 M1	Cup, Element Retaining.....	1
7	1 751 815 M1	Gasket, Cover.....	1
8	1 008 553 M1	Element, Oil Filter.....	1
9	1 751 818 M1	Cup, Element Seat.....	1
10	1 751 820 M1	Stud, Reservoir Retaining.....	1
11	1 018 235 M1	Cover Reservoir.....	1
12	1 020 997 M1	Screw, Adjusting.....	1
13	1 751 630 M1	Spring, Adjusting Screw.....	1
14	1 751 631 M91	Spring Assembly, w/Ball.....	1
15	196 056 M1	"O" Ring (3/4 x 1 x 9/64").....	1
16	831 585 M1	"O" Ring (9/16 x 3/4 x 7/64").....	1
17	359 293 X1	"O" Ring (7/16 x 5/8 x 7/64").....	2
22	1 025 709 M1	Screw (1/4 x 1-3/4" NC, Fill. Hd.).....	2
23	1 751 770 M1	Screw Assembly (1/4 x 2" NC, Fill. Hd.).....	6
24	14 281 X	Plug (11/16" Expansion).....	2
26	1 751 706 M1	Bearing, Needle (Housing and Body).....	4
27	1 022 847 M1	Gear, Leading.....	1
28	1 501 333 M1	Key, Lead Gear (1/8 x 1/2" Woodruff).....	1
29	1 022 847 M1	Gear, Follow.....	1
30	1 025 562 M1	Pin, Shear, Follow Gear (1/8 x 3/8").....	1
31	1 018 443 M91	Shaft, Follow Gear.....	1
32	1 751 650 M1	Pin, Housing to Body (3/16 x 1").....	2
33	1 017 319 M1	Gasket, Housing to Body.....	1
34	1 751 651 M1	Seal, Oil (7/16 x 1 x 3/8").....	1
35	355 791 X1	Ring, Snap, Seal Retaining.....	1
36	1 018 835 M1	Shaft, Pump Drive.....	1
37	13 851 X	Bearing, Ball.....	1
38	355 602 X1	Ring, Snap, Bearing Retaining.....	1
39	1 751 813 M1	Spacer, Bearing (5/8 x 7/8 x 13/32").....	1
40	1 751 633 M1	Gear, Drive.....	1
41	2 957 X	Key, Drive Gear (1/8 x 1/2" Woodruff).....	1
42	1 751 753 M1	Nut (3/8" NF, Hex., Self Locking).....	1
43	354 041 X1	Cotter Pin (1/16 x 3/4").....	1
44	353 677 X1	Bolt (5/16 x 3/4" NC, Hex.).....	1
45	353 446 X1	Washer (5/16" Lock).....	1

Note: (A) - For repairs order (1) 191 423 M92 Pump Assembly and 1 each of 2 272 X, 2 962 X<sup>21</sup> and 364 248 X1.

## POWER STEERING PUMP

DE39-3  
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# POWER STEERING PUMP

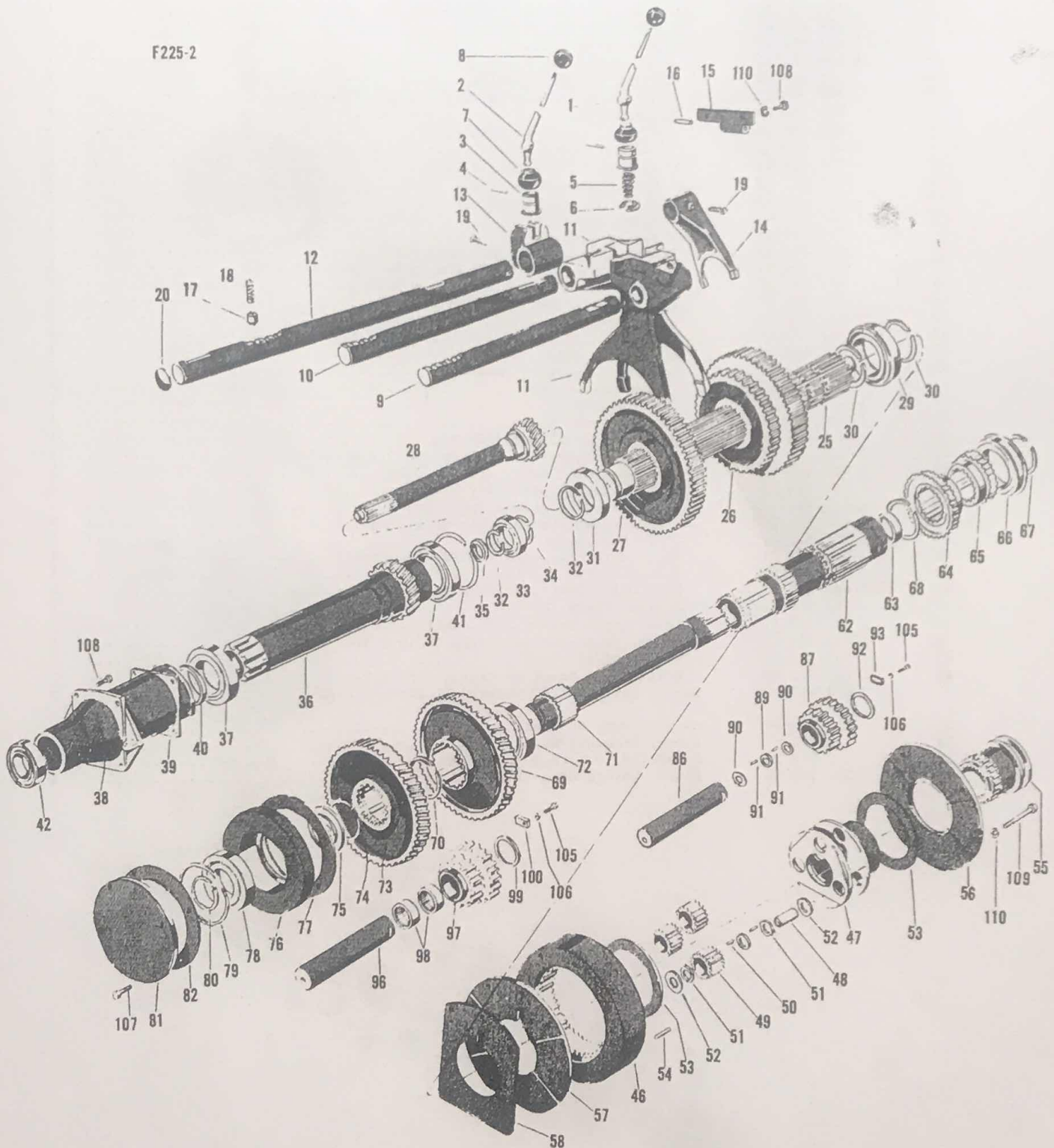
153

(NEVER USED IN PRODUCTION, USED ONLY FOR REPAIRS)

Ref. No.	Part No.	Description	No. Req.
1	191 423 M92	Pump Assembly (Cessna #20190-OBCIB).....	1
2	1 031 261 M1	Reservoir.....	1
3	1 021 977 M1	Cover, Reservoir.....	1
4	1 023 056 M1	Core, Reservoir.....	1
5	1 023 059 M1	Spring, Element Tension.....	1
6	354 503 X1	Bolt, Cover Retaining (3/8 x 3-1/4" NF, Hex.).....	1
	835 731 M92	Element Kit.....	1
8	836 013 M91	Gasket, Cover to Reservoir.....	1
9	1 021 980 M1	Gasket, Cover Bolt.....	1
10	1 023 057 M1	Element Oil Filter.....	1
11	1 028 211 M1	Seal, Element, Lower.....	1
12	1 023 058 M1	Seal, Element, Upper.....	1
20	1 023 052 M91	Housing Assembly.....	1
21	375 184 X1	Plug, Housing.....	1
22	1 023 054 M91	Valve Assembly, Relief (1125 P.S.I.).....	1
23 (A)	851 134 M1	"O" Ring, Outer (3/4" I.D. x 3/32").....	1
24 (A)	831 520 M1	"O" Ring, Inner (5/8" I.D. x 1/16").....	1
25	1 021 966 M1	Pin, Housing Locating (1/4 x 1/2").....	2
26	1 021 971 M91	Plate Assembly, Front.....	1
28 (A)	1 021 972 M1	Seal, Oil, Front Plate.....	1
29 (A)	1 021 967 M1	Diaphragm, Pump.....	1
30 (A)	1 021 968 M1	Gasket, Diaphragm, Back-up.....	1
31 (A)	1 021 969 M1	Protector, Gasket.....	1
32 (A)	1 021 970 M1	Seal, Diaphragm.....	1
33 (A)	1 021 975 M1	Spring, Check Valve.....	1
34 (A)	361 023 X1	Ball, Check Valve (3/16" Dia.).....	1
35 (A)	1 023 065 M1	"O" Ring, Reservoir to Pump (7/8" I.D. x 3/32").....	1
36	1 021 965 M91	Gear Assembly, Idler (Follow Gear).....	1
37	1 021 964 M1	Ring, Snap, Idler Gear Retaining.....	2
38	1 021 963 M91	Gear Assembly, Driven (Lead Gear).....	1
39	1 021 964 M1	Ring, Snap, Driven Gear Retaining.....	2
40	1 021 974 M1	Gear, Pump Drive.....	1
41	363 552 X1	Key, Drive Gear (1/8 x 17/32" Woodruff).....	1
42	355 617 X1	Washer (5/16" Flat).....	1
43	1 021 983 M1	Nut, Drive Gear Retaining (5/16" NF, Special).....	1
44	1 023 060 M1	Spring, Check Valve.....	1
45	22 199 X	Ball, Check Valve (3/8" Dia.).....	1
46	1 021 981 M1	Screw, Reservoir Retaining (5/16 x 5/8" NC, Special).....	1
47	353 446 X1	Washer (5/16" Lock).....	1
48	1 021 973 M1	Bolt, Front Cover Retaining (1/4 x 2-1/2" NC, Hex.).....	1
	835 846 M91	Repair Kit, Seal (Contains all items marked "A").....	x
51	191 469 M1	Gasket, Pump to Block.....	1
53	2 962 X	Elbow, Pressure Hose to Pump.....	1
55	2 272 X	Connector, Return Hose.....	1
56	364 248 X1	Elbow, Return Hose.....	1

## GEAR SHIFT, TRANSMISSION

F225-2





# GEAR SHIFT, TRANSMISSION

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## (DUAL CLUTCH)

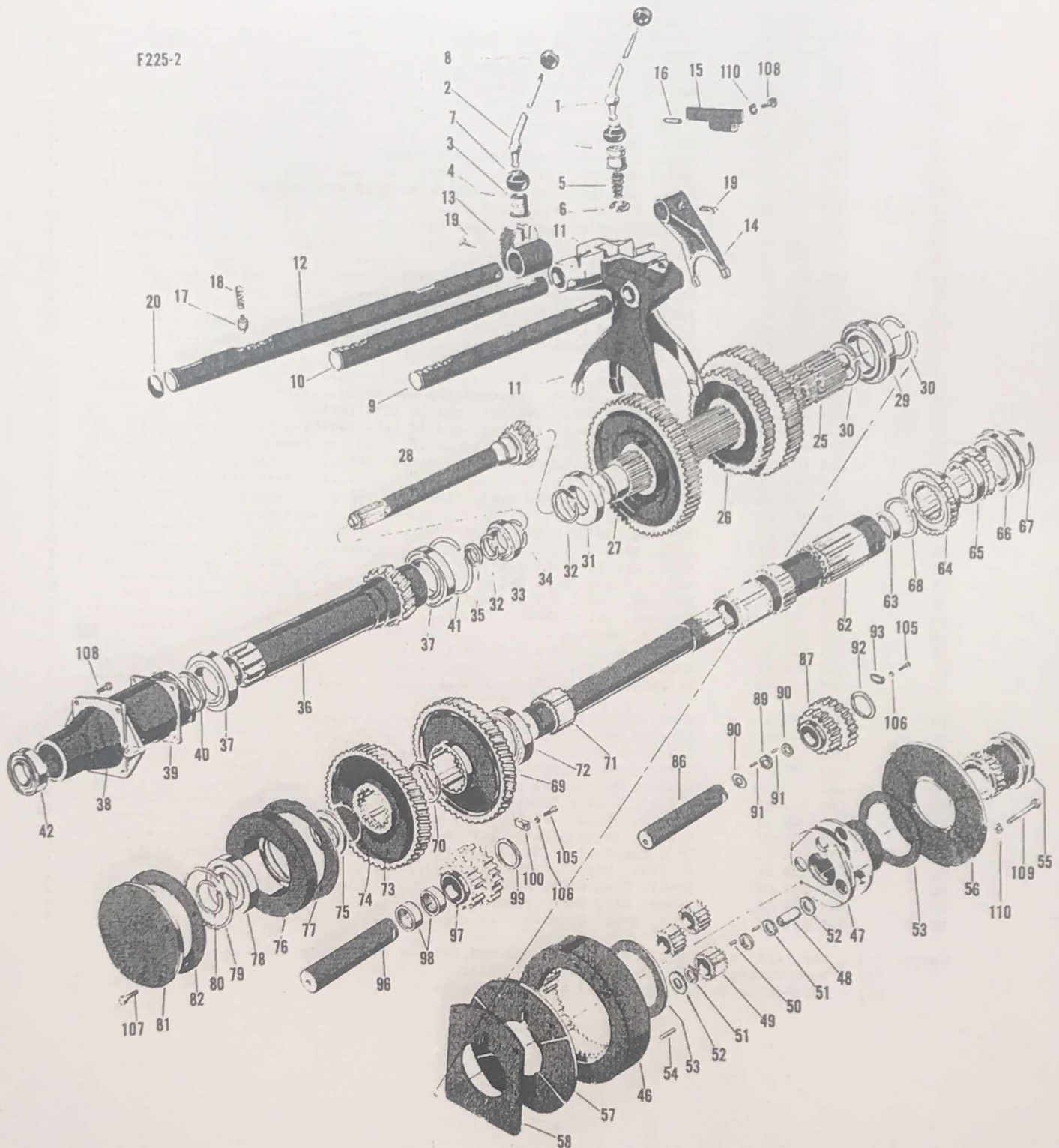
Ref. No.	Part No.	Description	No. Req.
1	185 805 M2	Lever, Gear Shift.....	1
2	180 440 M1	Lever, Planetary Gear Shift.....	1
3 (A)	180 447 M1	Cup, Gear Shift Lever.....	2
4	180 581 M1	Pin, Lever (1/4 x 1-3/4").....	2
5	192 007 M1	Spring, Gear Shift Lever.....	1
6	180 583 M1	Seat, Lever Spring.....	1
7	520 858 M1	Cover, Lever.....	2
8	180 006 M91	Ball, Lever End.....	2
9	180 438 M2	Rail, Shifter, Intermediate and High.....	1
10	180 442 M2	Rail, Shifter, Low and Reverse.....	1
11	180 437 M1	Fork, Shifter (Low, Intermediate, High and Reverse).....	2
12	180 439 M2	Rail, Shifter, Planetary.....	1
13	180 446 M1	Selector, Planetary Shifter Rail.....	1
14	180 443 M1	Fork, Shifter, Planetary.....	1
15	180 453 M1	Plate, Lever Stop.....	1
16	180 457 M1	Pin, Selector Lock (7/16 x 1-5/8").....	1
17	180 418 M1	Plunger, Position Selector.....	3
18	191 221 M1	Spring, Selector Plunger.....	3
19	881 144 M1	Screw, Fork Lock (3/8" NF, Dog Point, Sq. Hd., Drilled).....	4
20	2 950 X	Plug (1" Expansion).....	1
25	180 441 M1	Shaft, Main.....	1
26	180 416 M1	Gear, Main Shaft, Intermediate and High.....	1
27 (B)	183 042 M1	Gear, Main Shaft (45 Ext. and 18 Int. Teeth).....	1
27 (C)	180 422 M1	Gear, Main Shaft (60 Ext. and 18 Int. Teeth).....	1
28	180 420 M1	Shaft, Pinion, Main Drive.....	1
29	195 493 M1	Bearing, Ball, Main Shaft (1-31/32" ID).....	1
30	195 363 M1	Ring, Snap.....	2
31	195 502 M2	Bearing, Ball, Main Shaft (1-37/64" ID).....	1
32	195 222 M1	Ring, Snap.....	2
33	195 505 M1	Bearing, Ball, Drive Shaft.....	1
34	195 512 M1	Ring, Snap.....	1
35	195 501 M1	Seal, Oil (1-1/4 x 1-9/16 x 3/8").....	1
36	180 427 M2	Shaft, P.T.O. Main Drive.....	1
37	195 494 M1	Bearing, Ball, P.T.O. Shaft.....	2
38	180 428 M2	Housing, Drive Shaft.....	1
39	180 434 M1	Gasket, Housing.....	1
40	195 503 M1	Seal, Oil (1-3/4 x 2-1/4 x 1/4").....	1
41	180 462 M1	Ring, Snap.....	1
42	200 550 M1	Bearing, Clutch Pilot.....	1
46	180 405 M1	Gear, Ring, Planetary.....	1
47	180 484 M91	Carrier Assembly, Pinion.....	1
48	180 413 M1	Shaft, Pinion.....	3
49	180 406 M1	Pinion, Planetary.....	3
50	180 410 M1	Roller, Pinion (22 per Path).....	132
51	180 411 M1	Washer, Roller Retaining (3/4 x 1 x 1/16").....	9
52	180 412 M1	Washer, Thrust, Pinion (3/4 x 1-3/8 x 1/32").....	6
53	180 414 M1	Washer, Thrust, Ring Gear (4-1/8 x 5-3/4 x 1/16").....	2
54	180 409 M1	Pin, Locating (3/8 x 1-1/8").....	2
55	180 435 M1	Coupler, Planetary Shift.....	1
56	184 012 M3	Cover, Ring Gear, Rear.....	1
57	180 408 M2	Cover, Ring Gear, Front.....	1
58	184 011 M1	Shim, Front Cover.....	1

Notes: (A) - For repairs order (1) 512 582 M1 Cup and (1) 831 527 M1 "O" Ring.

(B) - Used Tractor Serial Number 171 549 and up.

(C) - Used prior to Tractor Serial Number 171 549.

## GEAR SHIFT, TRANSMISSION



## GEAR SHIFT, TRANSMISSION - Cont'd.

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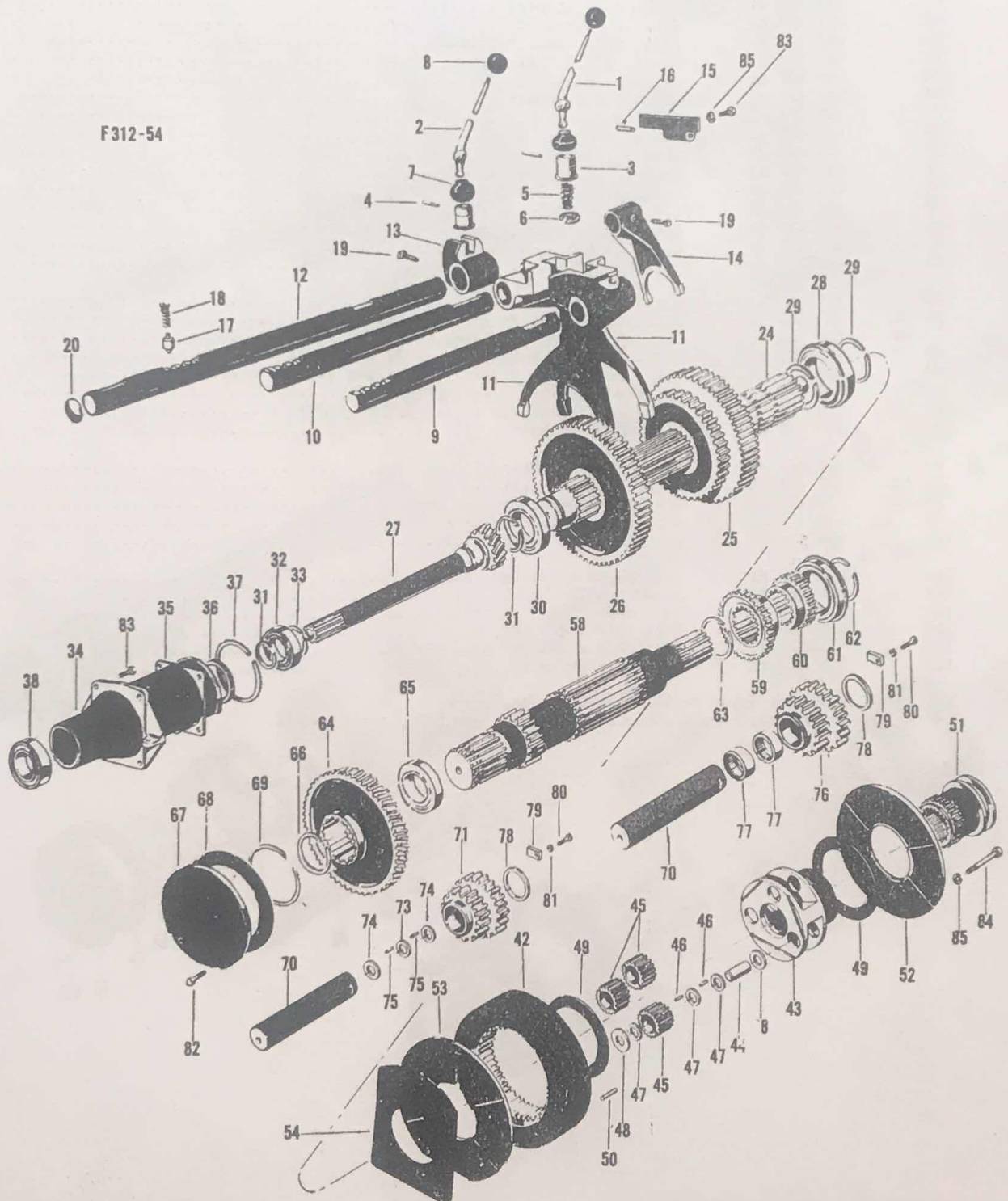
(DUAL CLUTCH)

Ref. No.	Part No.	Description	Ref. No.
62 (A)	183 054 M91	Countershaft Assembly (15 Spur Teeth).....	1
62 (B)	181 440 M91	Countershaft Assembly (20 Spur Teeth).....	1
63	195 453 M1	Bearing, Needle.....	1
64	180 415 M1	Pinion, High Speed.....	1
65	180 419 M1	Pinion, Intermediate Speed.....	1
66	195 493 M1	Bearing, Ball.....	1
67	195 363 M1	Ring, Snap (Outer).....	1
68	195 500 M1	Ring, Snap (Inner).....	1
69	181 799 M1	Gear, Countershaft.....	1
70	195 499 M1	Ring, Snap, Gear Retaining.....	1
71	180 429 M1	Shaft, P.T.O. Main Drive, Front.....	1
72	195 507 M1	Bearing, Ball.....	1
73	180 421 M1	Gear, P.T.O. Shaft.....	1
74	195 497 M1	Ring, Snap.....	1
75	180 430 M1	Washer, Thrust, P.T.O. Shaft.....	1
76	180 431 M1	Housing, P.T.O. Shaft, Bearing.....	1
77	180 432 M1	Gasket, Bearing Housing.....	1
78	195 502 M2	Bearing, Ball.....	1
79	195 512 M1	Ring, Snap, Housing (Large).....	1
80	195 222 M1	Ring, Snap, Bearing (Small).....	1
81	180 433 M1	Cover, P.T.O. Bearing Housing.....	1
82	181 237 M1	Gasket, Cover.....	1
86	180 445 M1	Shaft, Reverse Gear.....	1
87 (A)	183 040 M1	Gear, Reverse Shaft (13 & 21 Teeth).....	1
(A)	830 735 M91	Bearing Kit, Reverse Gear Cluster.....	1
89	183 038 M1	Washer, Roller Spacer (1-1/64 x 1-13/64 x 7/32").....	1
90	183 037 M1	Washer, Roller Retainer (1-1/64 x 1-13/64 x 1/16").....	2
91	183 039 M1	Roller, Reverse Gear (28 Per Path).....	56
92	180 458 M1	Washer, Reverse Gear (1 x 1-5/8 x 1/16").....	2
93	180 476 M1	Stop, Reverse Shaft.....	1
96	180 445 M1	Shaft, Reverse Gear.....	1
97 (B)	180 424 M1	Gear, Reverse Shaft (17 and 21 Teeth).....	1
98 (B)	22 166 X	Bearing, Needle, Reverse Gear.....	2
99	180 458 M1	Washer, Reverse Gear (1 x 1-5/8 x 1/16").....	2
100	180 476 M1	Stop, Reverse Shaft.....	1
105	353 678 X1	Bolt (5/16 x 7/8" NC, Hex.).....	x
106	353 446 X1	Washer (5/16" Lock).....	x
107	353 689 X1	Bolt (3/8 x 3/4" NC, Hex.).....	x
108	353 690 X1	Bolt (3/8 x 7/8" NC, Hex.).....	x
109	354 270 X1	Bolt (3/8 x 2-5/8" NC, Hex.).....	x
110	353 434 X1	Washer (3/8" Lock).....	x

Notes: (A) - Used Tractor Serial Number 171 549 and up.  
 (B) - Used prior to Tractor Serial Number 171 549.



## GEAR SHIFT, TRANSMISSION





## GEAR SHIFT, TRANSMISSION

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(SINGLE CLUTCH)

Ref. No.	Part No.	Description	No. Req.
1	185 805 M2	Lever, Gear Shift.....	1
2	180 440 M1	Lever, Planetary Gear Shift.....	1
3 (A)	180 447 M1	Cup, Gear Shift Lever.....	2
4	180 581 M1	Pin, Lever (1/4 x 1-3/4").....	2
5	192 007 M1	Spring, Gear Shift Lever.....	1
6	180 583 M1	Seat, Lever Spring.....	1
7	520 858 M1	Cover, Lever.....	2
8	180 006 M91	Ball, Lever End.....	2
9	180 438 M2	Rail, Shifter, Intermediate and High.....	1
10	180 442 M2	Rail, Shifter, Low and Reverse.....	1
11	180 437 M1	Fork, Shifter (Low, Intermediate, High and Reverse).....	2
12	180 439 M2	Rail, Shifter, Planetary.....	1
13	180 446 M1	Selector, Planetary Shifter Rail.....	1
14	180 443 M1	Fork, Shifter, Planetary.....	1
15	180 453 M1	Plate, Lever Stop.....	1
16	180 457 M1	Pin, Selector Lock (7/16 x 1-5/8").....	1
17	180 418 M1	Plunger, Position Selector.....	3
18	191 221 M1	Spring, Selector Plunger.....	3
19	881 144 M1	Screw, Fork Lock (3/8" NF., Dog Point, Sq. Hd., Drilled).....	4
20	2 950 X	Plug (1" Expansion).....	1
24	180 441 M1	Shaft, Main.....	1
25	180 416 M1	Gear, Main Shaft, Intermediate and High.....	1
26 (B)	183 042 M1	Gear, Main Shaft, Low (45 Ext. and 18 Int. Teeth).....	1
27 (C)	180 422 M1	Gear, Main Shaft, Low (60 Ext. and 18 Int. Teeth).....	1
28	180 420 M1	Shaft, Pinion, Main Drive.....	1
29	195 493 M1	Bearing, Ball, Main Shaft (1-31/32" ID).....	1
30	195 363 M1	Ring, Snap.....	2
31	195 502 M2	Bearing, Ball, Main Shaft (1-37/64" ID).....	1
32	195 222 M1	Ring, Snap.....	2
33	195 505 M1	Bearing, Ball, Drive Shaft.....	1
34	195 512 M1	Ring, Snap.....	1
35	180 428 M2	Housing, Drive Shaft.....	1
36	180 434 M1	Gasket, Housing.....	1
37	195 523 M1	Seal, Oil (1-1/8 x 2-1/4").....	1
38	180 462 M1	Ring, Snap.....	1
42	200 550 M1	Bearing, Clutch Pilot.....	1
43	180 405 M1	Gear, Ring, Planetary.....	1
44	180 484 M91	Carrier Assembly, Pinion.....	1
45	180 413 M1	Shaft, Pinion.....	3
46	180 406 M1	Pinion, Planetary.....	3
47	180 410 M1	Roller, Pinion (22 Per Path).....	132
48	180 411 M1	Washer, Roller Retaining (3/4 x 1 x 1/16").....	9
49	180 412 M1	Washer, Thrust Pinion (3/4 x 1-3/8 x 1/32").....	6
50	180 414 M1	Washer, Thrust Ring Gear (4-1/8 x 5-3/4 x 1/16").....	2
51	180 409 M1	Pin, Locating (3/8 x 1-1/8").....	2
52	180 435 M1	Coupler, Planetary Shift.....	1
53	184 012 M3	Cover, Ring Gear, Rear.....	1
54	180 408 M2	Cover, Ring Gear, Front.....	1
	184 011 M1	Shim, Front Cover.....	1
58 (B)	183 085 M1	Countershaft (w/15 Spur Teeth).....	1
59 (C)	180 503 M1	Countershaft (w/20 Spur Teeth).....	1
60	180 415 M1	Pinion, High Speed.....	1
61	180 419 M1	Pinion, Intermediate Speed.....	1
62	195 493 M1	Bearing, Ball.....	1
63	195 363 M1	Ring, Snap (Outer).....	1
64	195 500 M1	Ring, Snap (Inner).....	1
65	181 799 M1	Gear, Countershaft.....	1
66	195 507 M1	Bearing, Ball.....	1
67	195 499 M1	Ring, Snap, Gear Retaining.....	1
68	180 433 M1	Cover, Front P.T.O. Bearing Housing.....	1
69	181 237 M1	Gasket, Cover.....	1
70	195 512 M1	Ring, Snap, Bearing Housing.....	1
71 (B)	180 445 M1	Shaft, Reverse Gear.....	1
72 (B)	183 040 M1	Gear, Reverse Shaft (13 and 21 Teeth).....	1
73	830 735 M91	Bearing Kit, Reverse Gear Cluster.....	1
74	183 038 M1	Washer, Roller Spacer (1-1/64 x 1-13/64 x 7/32").....	1
75	183 037 M1	Washer, Roller Retainer (1-1/64 x 1-13/64 x 1/16").....	2
76 (C)	183 039 M1	Roller, Reverse Gear (28 Per Path).....	56
77 (C)	180 424 M1	Gear, Reverse Shaft (17 and 21 Teeth).....	1
78	22 166 X	Bearing, Needle, Reverse Gear.....	2
79	180 458 M1	Washer, Reverse Gear (1 x 1-5/8 x 1/16").....	2
	180 476 M1	Stop, Reverse Shaft.....	1
80	353 678 X1	Bolt (5/16 x 7/8" NC, Hex.).....	x
81	353 446 X1	Washer (5/16" Lock).....	x
82	353 689 X1	Bolt (3/8 x 3/4" NC, Hex.).....	x
83	353 690 X1	Bolt (3/8 x 7/8" NC, Hex.).....	x
84	354 270 X1	Bolt (3/8 x 2-5/8" NC, Hex.).....	x
85	353 434 X1	Washer (3/8" Lock).....	x

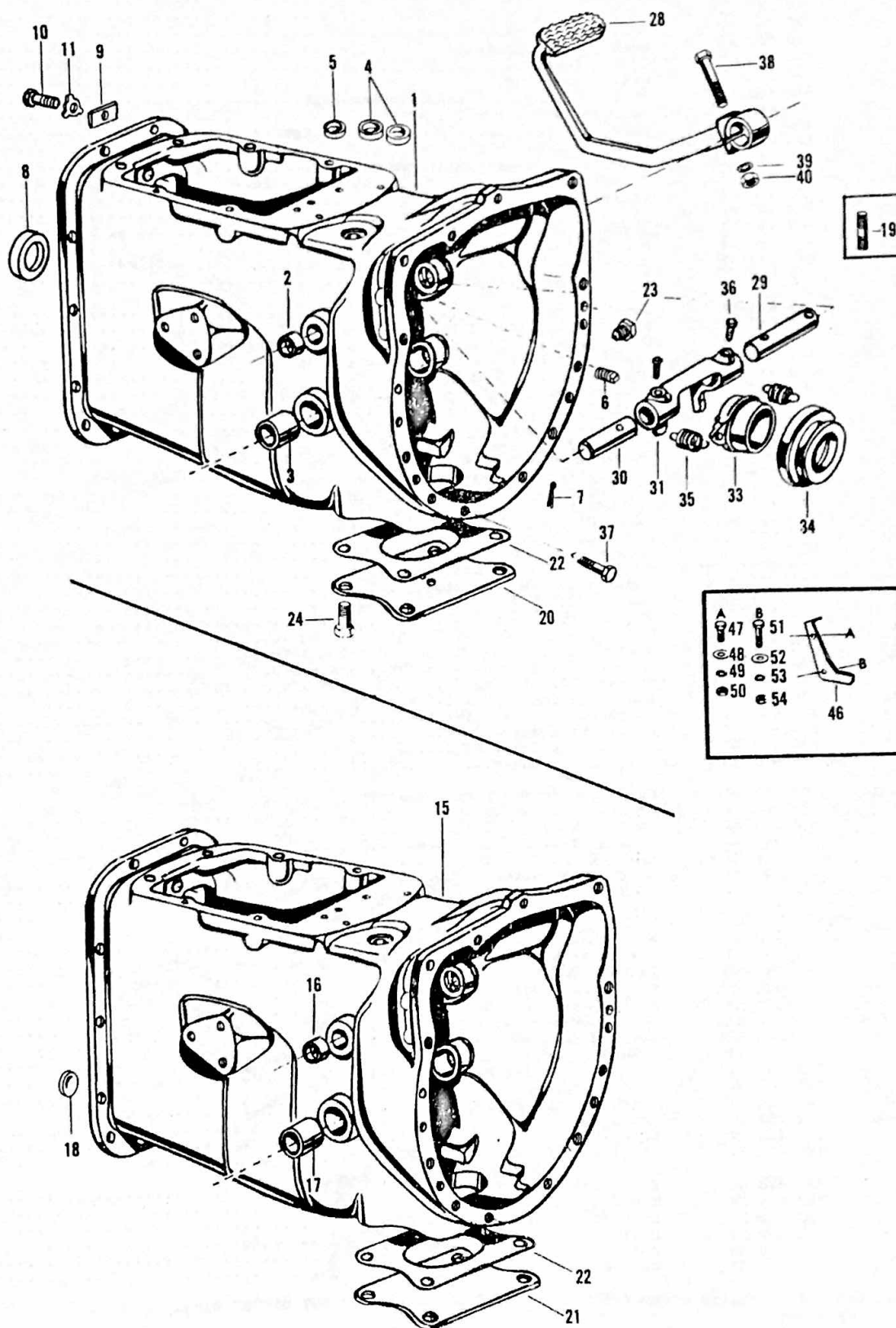
Notes: (A) - For repairs order (1) 512 582 M1 Cup and (1) 831 527 M1 "O" Ring.

(B) - Used Tractor Serial Number 171 549 and up.

(C) - Used prior to Tractor Serial Number 171 549.

## TRANSMISSION CASE AND CLUTCH CONTROLS

F1556



## TRANSMISSION CASE AND CLUTCH CONTROLS

161

Ref. No.	Part No.	Description	No. Req.
1 (A)	880 309 M91	Case Assembly, Transmission.....	1
2	184 592 M1	Bushing, Clutch Shaft (1 x 1-1/16 x 1-1/2").....	2
3	180 801 M1	Bushing, Brake Shaft (1-3/8 x 1-1/2 x 7/16").....	2
4	894 683 M1	Plug, Expansion (1-1/16" Cup Type).....	2
5	894 685 M1	Plug, Expansion (11/16" Cup Type).....	1
6	894 684 M1	Plug (1" Sq. Hd., Pipe Special).....	1
7	354 076 X1	Cotter Pin, Transmission Drain Hole (3/16 x 1").....	1
8	189 449 M1	Washer, Reverse Cluster Spacer.....	1
9	184 789 M1	Stop, Reverse Idler Shaft.....	1
10	353 690 X1	Bolt, Stop (3/8 x 7/8" NC, Hex.).....	1
11	828 020 M1	Washer, Tab, Stop Bolt.....	1
15 (B)	182 839 M93	Case Assembly, Transmission.....	1
16	184 592 M1	Bushing, Clutch Shaft.....	2
17	180 801 M1	Bushing, Brake Shaft.....	2
18	183 071 M1	Plug (9/16" Cup Type).....	1
19	353 963 X1	Stud (7/16" NC-NF x 1-5/8").....	1
20 (A)	520 478 M1	Cover, Case Bottom.....	1
21 (C)	180 482 M1	Cover, Case Bottom.....	1
22	180 481 M1	Gasket, Cover.....	1
23	195 466 M1	Plug, Drain (Magnetic).....	1
24	353 901 X1	Bolt (5/8 x 1-1/4" NC, Hex.).....	4
28	184 859 M1	Pedal, Clutch.....	1
29	180 444 M1	Shaft, Clutch Pedal.....	1
30	180 449 M1	Shaft, Clutch Pedal Pivot.....	1
31	184 628 M1	Fork, Clutch Release Shaft (Dual Clutch).....	1
31	180 452 M1	Fork, Clutch Release Shaft (Single Clutch).....	1
33	180 448 M3	Carrier, Clutch Release Bearing (1-27/32" Wide)(Used with 833 084 M1 or 833 085 M1 Bearings).....	1
34	833 084 M1	Bearing, Clutch Release (Dual Clutch)(.885" Wide)(Aetna #A-2287-17) (Used with 180 448 M3 Carrier).....	1
34	833 085 M1	Bearing, Clutch Release (Single Clutch)(1.526" Wide) (Aetna #A-2336-37)(Used with 180 448 M3 Carrier)....	1
33	183 129 M2	Carrier, Clutch Release Bearing (2" Wide)(Used with 892 862 M1 or 894 303 M1 Bearing).....	1
34	892 862 M1	Bearing, Clutch Release (Dual Clutch)(.87" Wide) (Hoffman #N-1660K)(Used with 183 129 M2 Carrier)....	1
34	894 303 M1	Bearing, Clutch Release (Single Clutch)(1.53" Wide) (Hoffman #N-1697A)(Used with 182 129 M2 Carrier)....	1
35	193 334 M1	Spring, Release Bearing Carrier.....	2
36	180 002 M1	Screw, Fork (3/8 x 1-1/4" NF, Dog Pt., Sq. Hd.).....	2
37	353 699 X1	Bolt, Transmission Case to Block (7/16 x 1-1/8" NC, Hex.).....	11
38	353 571 X1	Bolt, Clutch Pedal (7/16 x 2-1/2" NF, Hex.).....	1
39	353 432 X1	Washer (7/16" Lock).....	1
40	353 426 X1	Nut (7/16" NF, Hex.).....	1
46	180 769 M1	Lever, Adjusting Clutch Pedal Stop.....	1
47	353 501 X1	Bolt (1/4 x 1/2" NF, Hex.).....	1
48	353 754 X1	Washer (1/4" Small Flat).....	1
49	353 441 X1	Washer (1/4" Lock).....	1
50	353 918 X1	Nut (1/4" NF, Hex.).....	1
51	180 770 M1	Bolt (3/8 x 7/8" NF, Hex., Spec.).....	1
52	195 681 M1	Washer, Spring.....	1
53	353 434 X1	Washer (3/8" Lock).....	1
54	353 431 X1	Nut (3/8" NF, Hex.).....	1

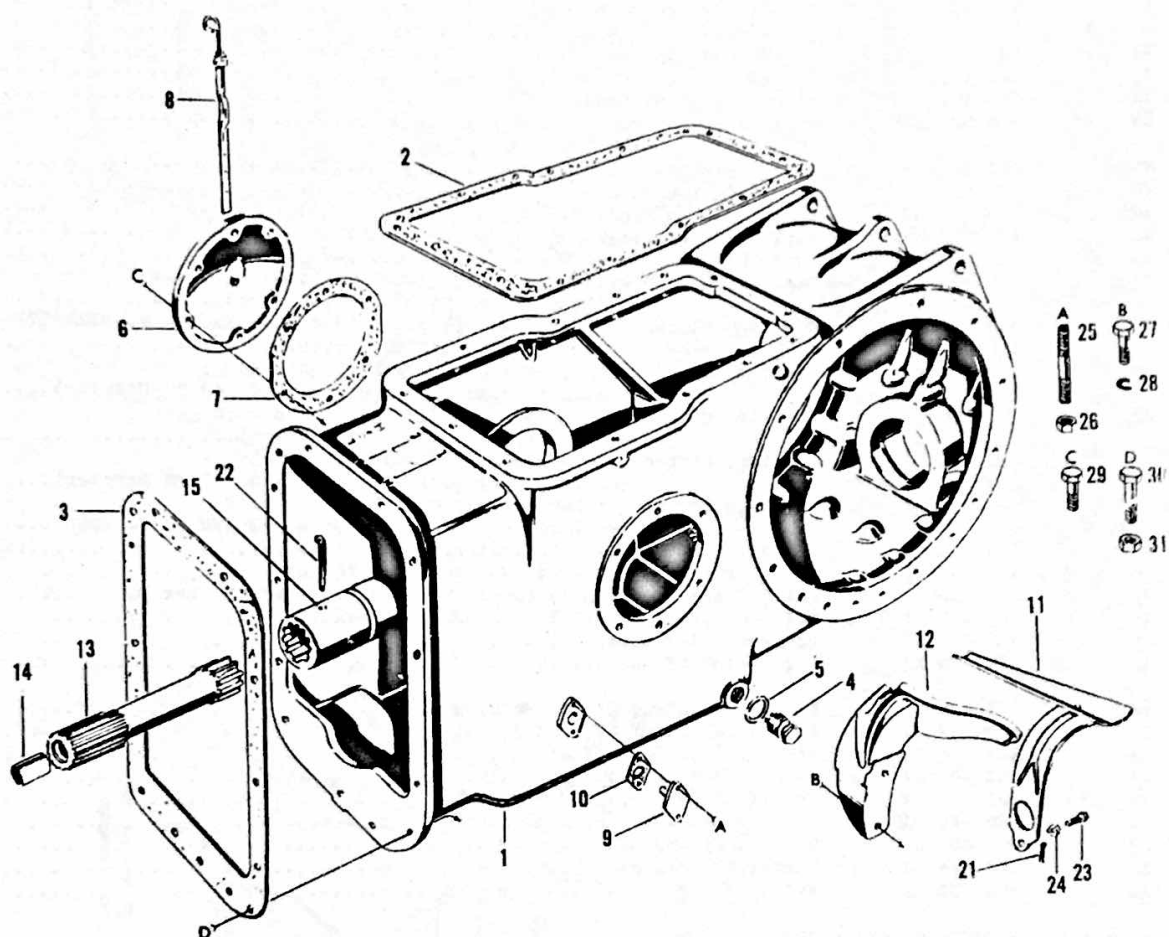
Notes: (A) - Service Replacement.

(B) - For repairs order (1) 880 309 M91 Case Assembly and (1) 353 963 X1 Stud.

(C) - For repairs order (1) 520 478 M1 Cover and (1) 354 066 X1 Cotter Pin.

## DIFFERENTIAL HOUSING

F 1557





# DIFFERENTIAL HOUSING

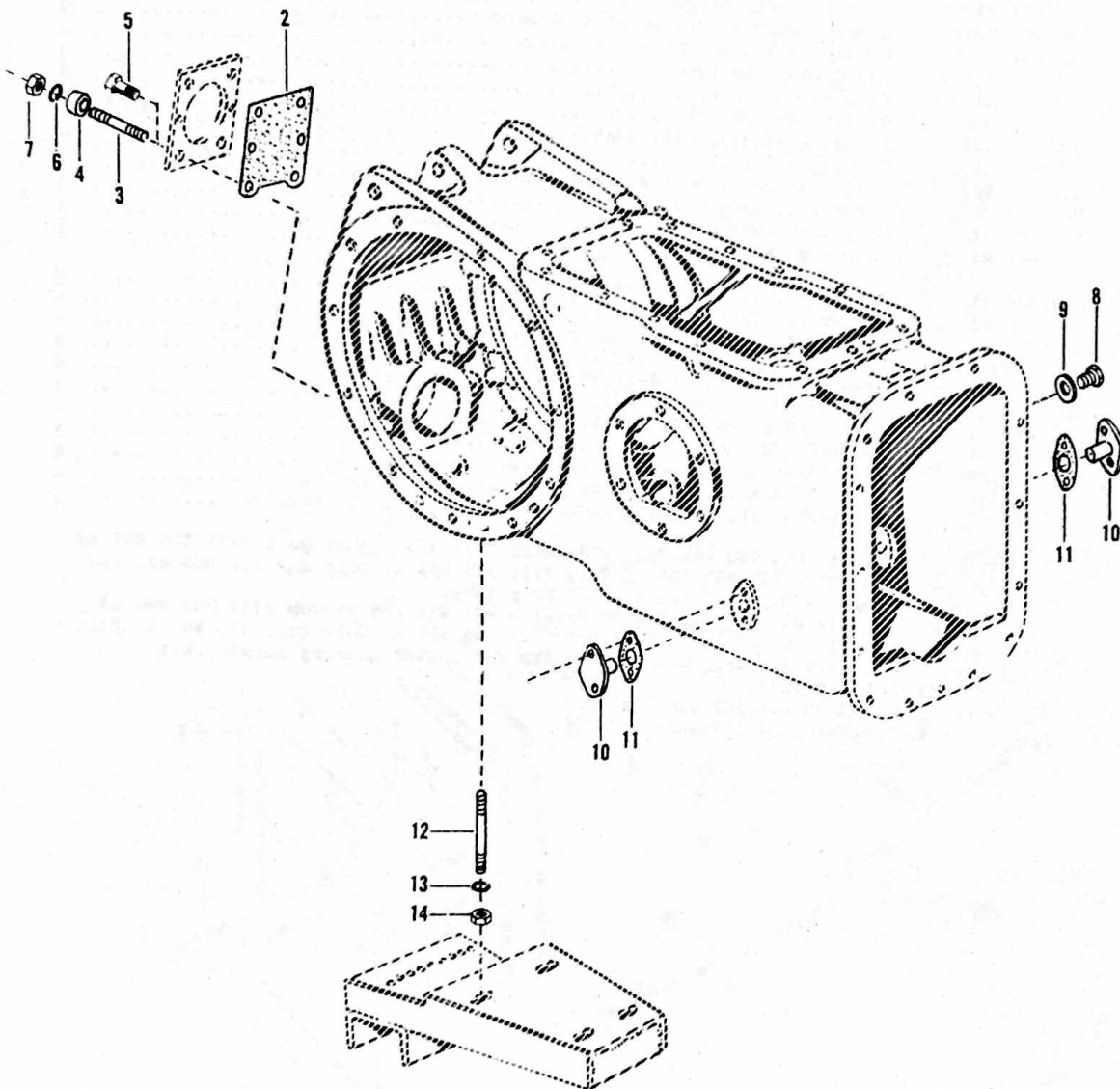
163

Ref. No.	Part No.	Description	No. Req.
1 (A)	183 253 M3	Housing, Differential (Uses 1/2" Studs)(See Rear Axle Group).....	1
1 (B)	181 402 M1	Housing, Differential (Uses 7/16" Studs)(See Rear Axle Group).....	1
2	886 549 M2	Gasket, Hydraulic Lift Cover.....	1
3	521 181 M1	Gasket, Transmission to Differential Housing.....	1
4	884 691 M1	Plug, Drain.....	1
5	180 474 M1	Gasket, Drain Plug.....	1
6	181 218 M91	Cover Assembly, Oil Level Indicator.....	1
7	181 217 M1	Gasket, Oil Level Cover.....	1
8	193 400 M1	Indicator, Oil Level.....	1
9	180 905 M1	Pin, Pump Support.....	2
10	180 904 M2	Gasket, Support Pin.....	2
11	181 225 M91	Trough Assembly, Oil, Right.....	1
12	525 774 M1	Trough, Oil, Left.....	1
13	181 439 M93	Shaft Assembly, Rear Drive.....	1
14	195 513 M1	Bearing, Needle.....	1
15 (C)	183 988 M1	Coupling, Rear Drive.....	1
15 (D)	130 467 M1	Coupling, Rear Drive.....	1
21	354 039 X1	Cotter Pin (1/16 x 1/2").....	x
22	354 416 X1	Cotter Pin (3/16 x 2-1/2").....	x
23	354 007 X1	Bolt (1/4 x 1-3/8" NF, Hex.).....	x
24	353 922 X1	Nut (1/4" NF, Hex., Sltd.).....	x
25	195 589 M1	Stud (5/16" NC-NF x 1-1/16").....	x
26	353 916 X1	Nut (5/16" NF, Hex.).....	x
27	353 680 X1	Bolt (3/8 x 7/8" NC, Hex.).....	x
28	353 424 X1	Washer (3/8" Lock).....	x
29	353 696 X1	Bolt (7/16 x 3/4" NC, Hex.).....	x
30	353 562 X1	Bolt (7/16 x 1-1/4" NF, Hex.).....	x
31	353 426 X1	Nut (7/16" NF, Hex.).....	x

- Notes: (A) - For repairs order (1) 884 726 M93 Center Housing (13) 366 766 X1 Bolt (13) 366 627 X1 Nut (2) 353 704 X1 Bolt (2) 353 568 X1 Bolt (11) 353 565 X1 Bolt and (1) 509 422 M92 Center Housing Service Kit (Service Kit See Page 159).
- (B) - For repairs order (1) 884 726 M93 Center Housing (2) 831 888 M1 Cup (13) 366 766 X1 Bolt (13) 366 627 X1 Nut (2) 353 704 X1 Bolt (2) 353 568 X1 Bolt (11) 353 565 X1 Bolt (1) 190 606 M91 Sleeve Assembly and (1) 509 422 M92 Center Housing Service Kit (Service Kit See Page 159).
- (C) - Used Tractor Serial Number 169 566 and up.
- (D) - Used prior to Tractor Serial Number 169 566.

## CENTER HOUSING SERVICE KIT

D 1200



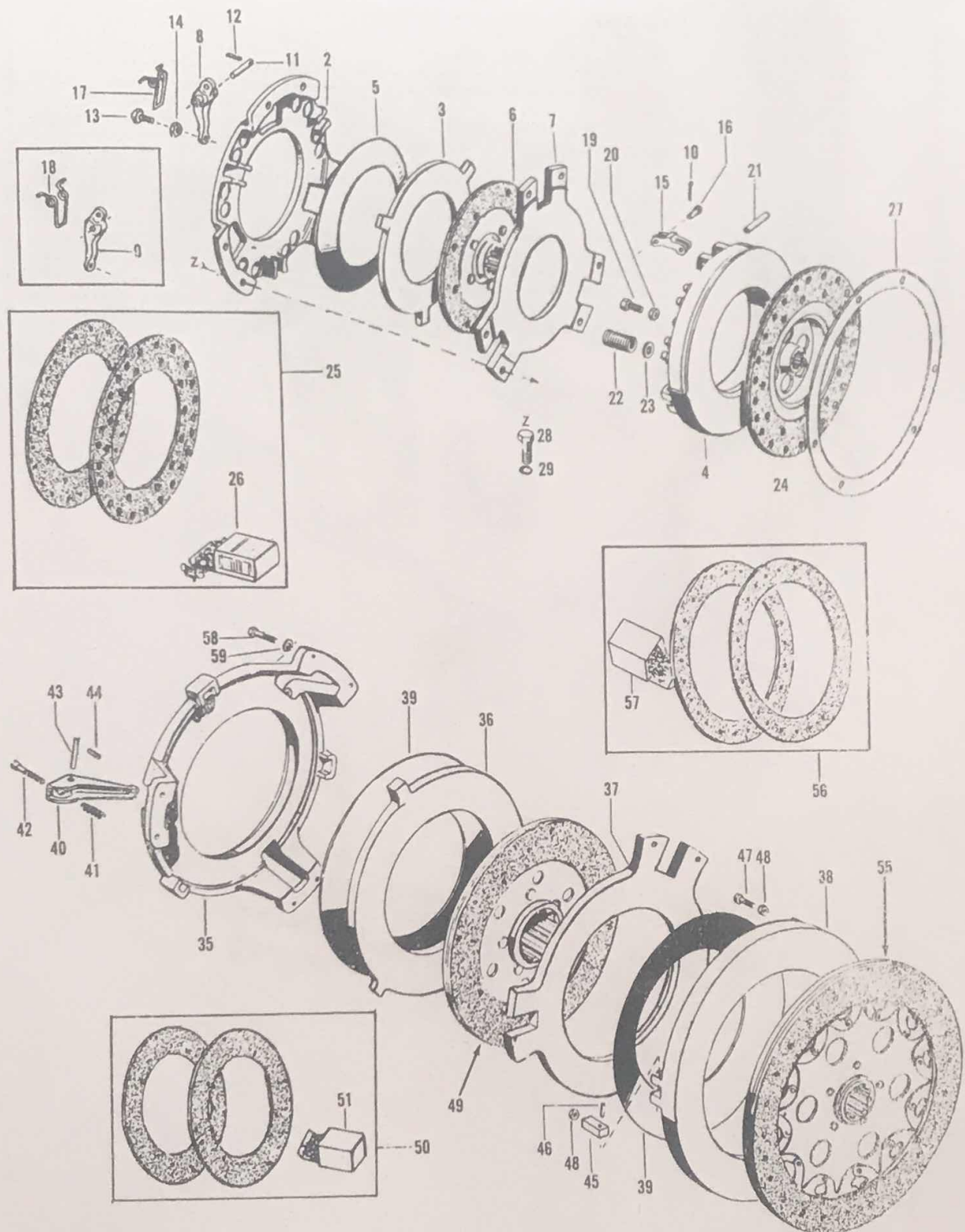
# CENTER HOUSING SERVICE KIT

165

Ref. No.	Part No.	Description	No. Req.
2	509 422 M92	Kit Assembly, Center Housing Service.....	1
3	190 127 M2	Gasket, P.T.O. Cover.....	1
3	833 354 M1	Stud (1/2 x 2-1/16" NC).....	4
3	832 711 M1	Stud (1/2 x 2-3/4" NC-NF).....	4
3	898 088 M1	Stud (1/2 x 2-3/8" NC-NF).....	4
4	141 343 M1	Spacer.....	4
5	353 723 X1	Bolt (1/2 x 1" NC, Hex.).....	4
6	353 439 X1	Washer (1/2" Lock).....	4
7	353 437 X1	Nut (1/2" NF, Hex.).....	4
7	375 098 X1	Nut (1/2" NC, Hex.).....	4
8	880 695 M1	Plug.....	1
9	882 011 M1	Washer.....	1
10	898 643 M1	Pin, Pump Support.....	2
11	180 904 M2	Gasket, Pump Support Pin.....	2
12	831 934 M1	Stud (3/4 x 2-3/4" NC-NF).....	4
12	832 008 M1	Stud (3/4 x 3-3/4" NC-NF).....	4
13	353 440 X1	Washer (3/4" Lock).....	4
14	353 435 X1	Nut (3/4" NF, Hex.).....	4

## DUAL CLUTCH

F1550





## DUAL CLUTCH

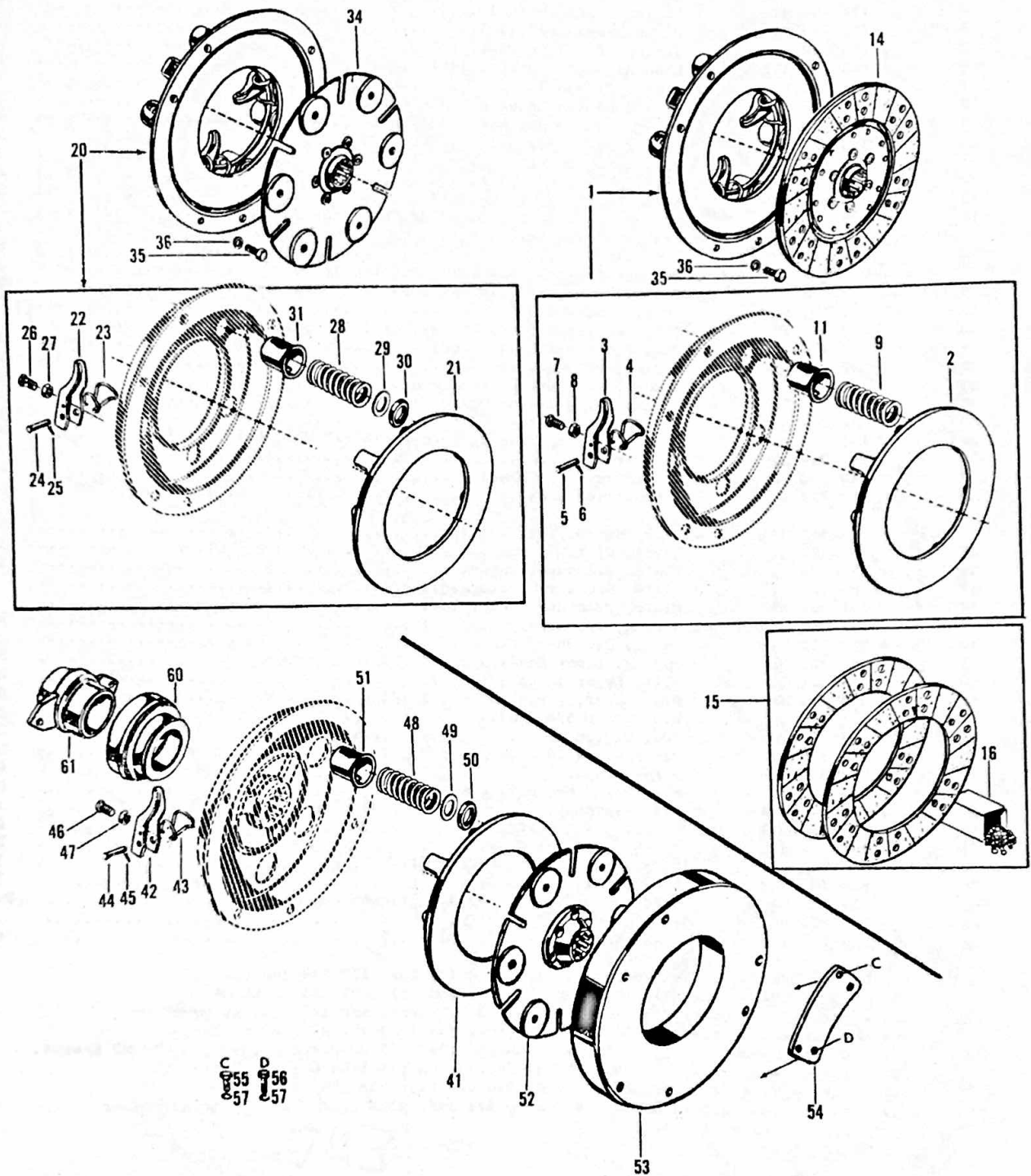
167

Ref. No.	Part No.	Description	No. Req.
(A)	184 541 M91	Clutch Assembly.....	1
2	1 753 747 M2	Cover, Clutch.....	1
3	181 103 M1	Plate, Pressure (9").....	1
4 (B)	1 753 749 M1	Plate, Pressure (11").....	1
5	182 842 M1	Spring, Pressure Plate (9").....	1
6	1 753 753 M92	Disc Assembly, Driven (9").....	1
7	1 753 748 M1	Plate, Flywheel.....	1
8	1 754 681 M2	Lever, Clutch Release (.328" Dia. Hole w/Shoulder).....	3
9 (C)	1 753 960 M1	Lever, Clutch Release (.323" Dia. Hole w/no Shoulder).....	3
10	354 046 X1	Cotter Pin (3/32 x 1/2").....	3
11	1 753 752 M1	Pin, Lever Pivot (5/16 x 2-11/16").....	3
12	13 521 X	Pin (1/8 x 5/8" Roll).....	3
13	1 753 964 M1	Bolt, Lever Adjusting.....	3
14	353 430 X1	Nut, Adjusting Bolt (3/8" NF, Half Hex.).....	3
15 (D)	1 753 962 M1	Link, Release Lever.....	3
16	1 753 965 M2	Pin, Link.....	3
17	1 022 902 M1	Spring, Torsion (5/8" Dia. Pivot Hole).....	3
18 (E)	1 753 963 M1	Spring, Torsion (7/16" Dia. Pivot Pin Hole).....	3
19	181 124 M1	Bolt, Clutch Bracket.....	3
20	353 917 X1	Nut, Bracket Bolt (5/16" NF, Half Hex.).....	3
21 (F)	181 118 M1	Pin, Rod (5/16" x 1-7/16").....	3
22	1 753 746 M1	Spring, Pressure (Yellow).....	12
23	1 753 751 M1	Washer, Insulating, Pressure Spring.....	12
24	184 542 M91	Disc Assembly, Clutch Drive (11").....	1
25	830 743 M91	Facing Kit, Clutch.....	1
26	181 127 M1	Rivet, Clutch Facing (Order 835 577 M91, Box of 36).....	36
27	184 558 M1	Ring, Air, Flywheel.....	1
28	180 450 M3	Bolt, Cover to Flywheel.....	6
29	19 752 X	Washer (5/16" Lock).....	6
(G)	182 463 M93	Clutch Assembly.....	1
35	181 107 M1	Cover, Clutch.....	1
36	181 103 M1	Plate, Pressure, Outer.....	1
37	181 106 M1	Plate, Pressure, Intermediate.....	1
38	181 104 M1	Plate, Pressure, Inner.....	1
39	182 842 M1	Spring, Pressure Plate (9").....	2
40	1 753 750 M1	Lever, Clutch Release.....	3
41	181 125 M1	Spring, Lever Tension.....	3
42	181 121 M1	Bolt, Lever Adjusting.....	3
43	181 119 M1	Pin, Lever, Pivot (5/16 x 2-1/2").....	3
44	195 479 M1	Pin (1/8 x 5/8" Roll).....	3
45	181 123 M1	Rod, Clutch End.....	3
46	181 118 M1	Pin, Rod (5/16 x 1-7/16").....	3
47	353 518 X1	Screw, Cap.....	6
48	353 917 X1	Nut (5/16" NF, Half Hex.).....	6
49	1 753 753 M92	Disc Assembly, Clutch Driven (9").....	1
50	835 830 M91	Facing Kit, Clutch.....	1
51	181 126 M1	Rivet, Facing.....	8
55	182 841 M91	Disc Assembly, Clutch Drive (11").....	1
56	830 706 M91	Facing Kit, Clutch.....	1
57	181 127 M1	Rivet, Facing (Order 835 576 M91 Box of 24).....	24
58	180 450 M1	Bolt, Cover to Flywheel.....	6
59	19 752 X	Washer (5/16" Lock).....	6

Notes: (A) - Used Tractor Serial Number 177 395 thru 177 519, 177 538 and up.  
 (B) - For repairs order (1) 1031 853 M1 Plate and (6) 1031 854 M1 Links.  
 (C) - For repairs order (1) each of 1022 902 M1 Spring and 1754 681 M2 Lever.  
 (D) - For repairs order (6) 1024 251 M1 Links (3) 1028 657 M1 Pin (3) 1028 658 M1 Spacers (3) 1753 752 M2 Pins (3) 1753 965 M2 Pin and (3) 1754 681 M2 Levers.  
 (E) - For repairs order (1) 1022 902 M1 Spring and (1) 1754 681 M2 Levers.  
 (F) - For repairs order (1) 1028 657 M1 Pin and (1) 1028 658 M1 Spacer.  
 (G) - Used prior to Tractor Serial Number 177 395; also used Tractor Serial Number 177 520 thru 177 537.

## SINGLE CLUTCH

F373-1



# SINGLE CLUTCH

169

## (AGRICULTURAL TYPE)

Ref. No.	Part No.	Description	No. Req.
1	180 263 M91	Cover Assembly, Release Plate.....	1
2	180 262 M1	Plate, Pressure.....	1
3	180 251 M2	Lever, Release.....	3
4	1 509 295 M1	Spring, Lever.....	3
5	180 252 M1	Pin, Release Lever.....	3
6	354 046 X1	Pin, Cotter (3/32 x 1/2").....	3
7	180 256 M1	Screw, Adjusting, Release Lever.....	3
8	1 001 298 M1	Nut, Adjusting Screw.....	3
9	180 257 M1	Spring, Pressure (Lavender).....	3
9	180 258 M1	Spring, Pressure (Brown).....	3
11	180 253 M1	Cup, Pressure Spring.....	6
14	181 114 M91	Disc Assembly, Clutch (9").....	1
15	841 247 M91	Facing Kit, Clutch Lining.....	1
16	1 003 304 M1	Rivet, Friction Disc.....	24

## (INDUSTRIAL TYPE)

20	185 923 M91	Cover Assembly, Release Plate.....	1
21	1 752 990 M1	Plate, Pressure.....	1
22	180 251 M1	Lever, Release.....	3
23	180 254 M1	Spring, Lever.....	3
24	180 252 M1	Pin, Release Lever.....	3
25	354 046 X1	Pin, Cotter (3/32 x 1/2").....	3
26	180 256 M1	Screw, Adjusting, Release Lever.....	3
27	1 001 298 M1	Nut, Adjusting Screw.....	3
28	1 752 991 M1	Spring, Pressure.....	6
29	1 021 788 M1	Washer, Insulating (25/32 x 1-5/32 x 1/8").....	6
30	1 752 992 M1	Washer, Retainer.....	6
31	180 253 M1	Cup, Pressure Spring.....	6
34	193 621 M91	Disc Assembly, Clutch (9").....	1
35	180 066 M1	Bolt, Clutch to Flywheel.....	6
36	353 446 X1	Washer (5/16" Lock).....	6

## SPLIT TORQUE

### (DUAL CLUTCH REPLACEMENT)

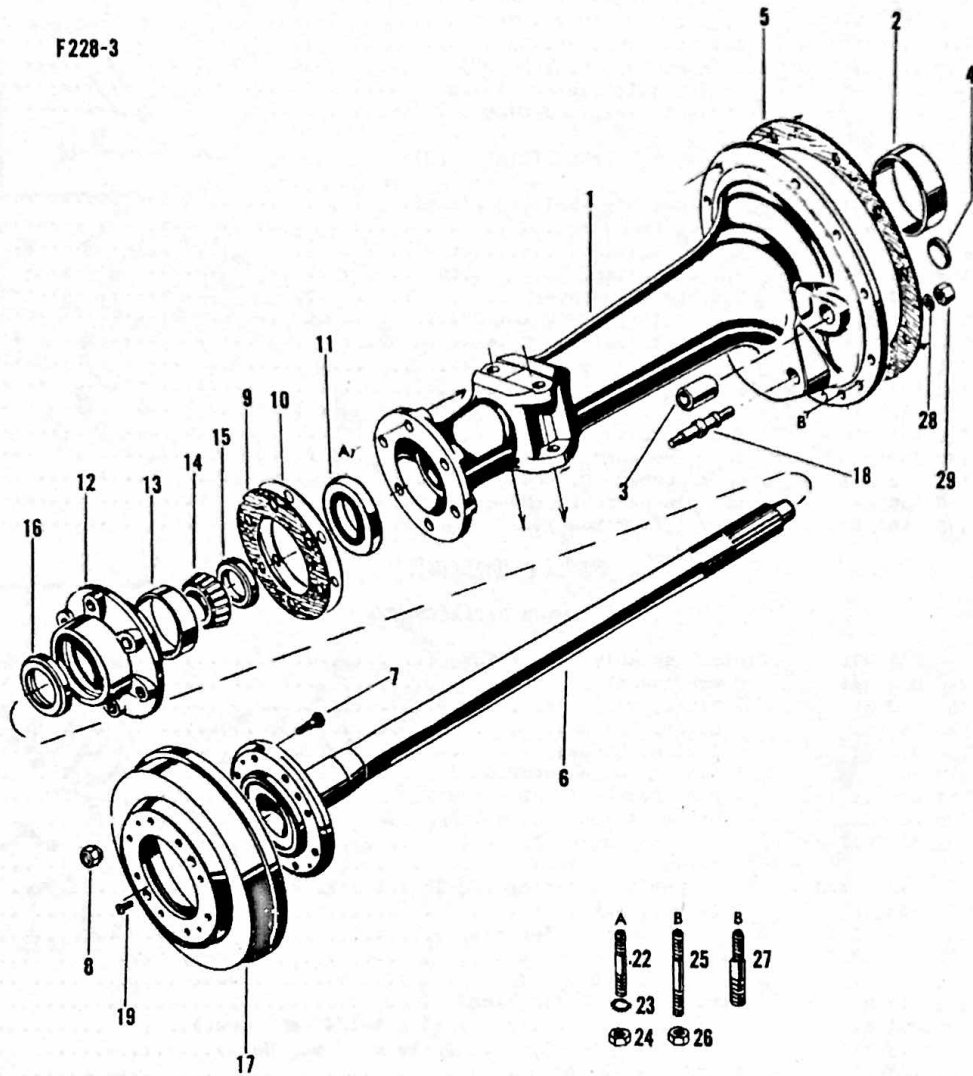
	830 858 M91	Clutch Assembly, Split-Torque.....	1
	185 996 M91	Cover Assembly, Clutch.....	1
41	1 752 990 M1	Plate, Pressure.....	1
42	180 251 M1	Lever, Release.....	3
43	1 754 630 M1	Spring, Lever.....	3
44	180 252 M1	Pin, Release Lever.....	3
45	354 046 X1	Pin, Cotter (3/32 x 1/2").....	3
46	180 256 M1	Screw, Adjusting, Release Lever.....	3
47	1 001 298 M1	Nut, Adjusting Screw.....	3
48	1 752 991 M1	Spring, Pressure.....	6
49	1 752 992 M1	Washer, Insulating (25/32 x 1-5/32 x 1/8").....	6
50	1 752 992 M1	Washer, Retainer.....	6
51	180 253 M1	Cup, Pressure Spring.....	6
52 (A)	185 895 M91	Disc Assembly, Clutch.....	1
53	184 918 M1	Filler, Flywheel.....	1
54	184 919 M1	Strap, Clutch Attaching.....	3
55	353 681 X1	Bolt, Cover to Filler (5/16 x 1-1/4" NC, Hex.).....	6
56	353 879 X1	Bolt, Strap to Flywheel (5/16 x 1" NC, Hex.).....	6
57	353 446 X1	Washer (5/16" Lock).....	18
60	833 085 M1	Bearing Assembly, Clutch Release (1-1/2" Wide).....	1
61 (B)	183 366 M1	Carrier, Clutch Release Bearing.....	1

Notes: (A) - For repairs order 1 each of 512 355 M91 Cover and 185 892 M94 Disc Assembly and 184 558 M1 Ring.

(B) - For repairs order (1) 180 448 M3 Carrier and (1) 193 334 M1 Spring.

## REAR AXLE AND HOUSING

F228-3





# REAR AXLE AND HOUSING

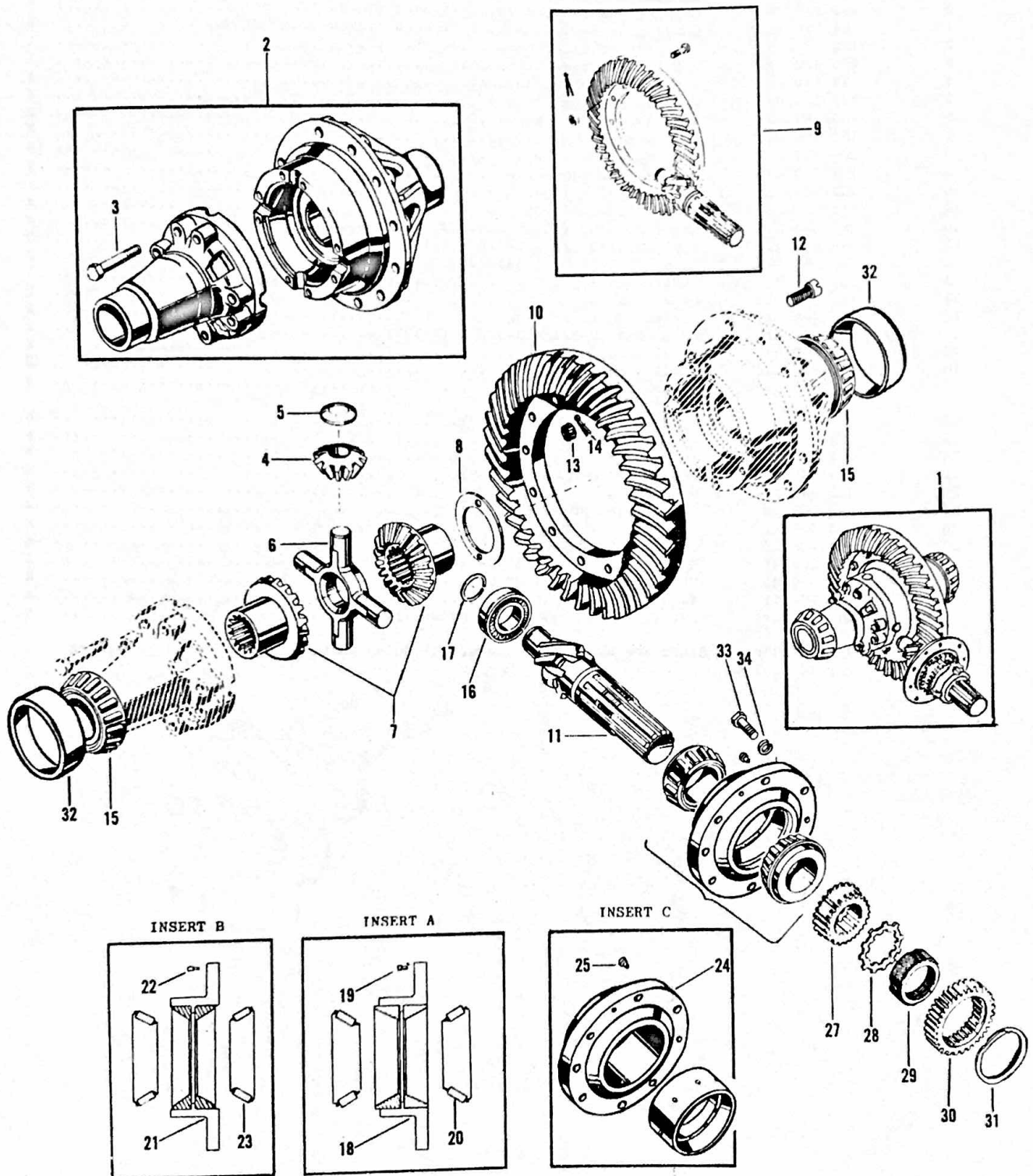
171

Ref. No.	Part No.	Description	No. Req.
1	183 248 M92	Housing Assembly, Axle, Right Hand (Takes 1/2" Studs).....	1
1	183 248 M92	Housing Assembly, Axle, Right Hand (Takes 7/16" Studs).....	1
1	183 250 M91	Housing Assembly, Axle, Left Hand (Takes 1/2" Studs).....	1
1	183 250 M92	Housing Assembly, Axle, Left Hand (Takes 7/16" Studs).....	1
2	195 160 M1	Cup, Bearing, Inner.....	1
3	180 802 M1	Bushing, Brake Cross Shaft.....	1
4	13 710 X	Plug (1-1/4" Expansion).....	1
5	183 254 M1	Gasket, Housing, Inner.....	2
6	185 389 M91	Axle Assembly, Rear.....	2
7	185 400 M1	Bolt, Rear Wheel Disc.....	8
8	180 004 M1	Nut, Wheel Disc Bolt.....	16
9	181 232 M1	Gasket, Housing, Outer.....	2
10	183 259 M1	Shim, Housing (.003" to .005").....	x
10	183 260 M1	Shim, Housing (.015" to .017").....	x
10	183 261 M1	Shim, Housing (.020" to .022").....	x
11	195 678 M2	Seal, Oil (2-1/8 x 2-7/8 x 7/16").....	2
12	183 256 M92	Retainer Assembly, Axle.....	2
13	300 975 M1	Cup, Bearing.....	1
14	195 675 M1	Cone, Bearing.....	2
15	180 596 M1	Collar, Shaft Bearing.....	2
16	195 677 M1	Seal, Oil (2-3/4 x 3-5/8 x 19/32").....	2
17	827 707 M1	Drum, Brake.....	2
18	181 229 M1	Shaft, Lower Link.....	2
19	182 278 M1	Screw, Drum to Axle.....	4
22	181 258 M1	Stud (7/16" NF x 2-39/64").....	x
23	353 432 X1	Washer (7/16" Lock).....	x
24	353 426 X1	Nut (7/16" NF, Hex.).....	x
25	376 860 X1	Stud (1/2" NC-NF x 1-3/4").....	x
25	353 962 X1	Stud (7/16" NC-NF x 1-5/8").....	x
25	353 963 X1	Stud (7/16" NC-NF x 1-3/4").....	x
26	353 437 X1	Nut (1/2" NF, Hex.).....	x
26	353 426 X1	Nut (7/16" NF, Hex.).....	x
27 (A)	183 269 M1	Stud (7/16" NC - 1/2" NF x 1-3/4").....	x
27 (A)	183 270 M1	Stud (7/16" NC - 1/2" NF x 1-7/8").....	x
28	353 774 X1	Washer (5/8" Reg. Flat).....	x
29	360 262 X1	Nut (5/8" NF, Hex., Self Locking).....	x

Note:(A) - Special Service Studs are used when Axle w/1/2" Holes is used w/Differential Housing w/7/16" Holes.

## DIFFERENTIAL

F 227-2



# DIFFERENTIAL

173

(USED TRACTOR SERIAL NUMBER 169 467 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	182 087 M91	Differential Assembly, Complete.....	1
2 (A)	181 974 M91	Case Assembly.....	1
3	882 232 M1	Bolt, Differential Case.....	8
4	181 275 M1	Pinion, Differential.....	4
5	514 958 M1	Washer, Pinion Thrust.....	4
6	181 276 M1	Spider, Differential Pinion.....	1
7	181 249 M3	Gear, Differential.....	2
8	181 247 M1	Washer, Gear Thrust.....	2
9	1 885 317 M92	Gear Set, Mated.....	1
10		Gear, Ring (37 Teeth)(Order 1885 317 M92).....	1
11		Pinion, Bevel (6 Teeth)(Order 1885 317 M92).....	1
12 (B)	181 266 M1	Bolt (1/2 x 1-3/4" NF, Dld. f/Cotter Pin).....	12
13	353 926 X1	Nut (1/2" NF, Hex., Sltd.).....	12
14	354 061 X1	Cotter Pin (1/8 x 1-1/8").....	12
15	195 159 M1	Cone, Bearing.....	2
16	191 250 M1	Bearing, Pinion Pilot (1-3/16" ID).....	1
17	196 097 M1	Ring, Snap, Bearing Retaining.....	1
18 (C)	190 606 M91	Sleeve Assembly, Bevel Pinion Bearing (See Note).....	1
19	181 253 M1	Pin, Dowel.....	1
20 (C)	831 888 M1	Cone, Bearing (Used w/181 251 M93 Sleeve).....	2
21 (D)	181 251 M92	Sleeve Assembly, Bevel Pinion Bearing (See Note).....	1
22	181 253 M1	Pin, Dowel.....	1
23 (D)	195 163 M1	Cone, Bearing (Used w/181 251 M92 Sleeve).....	2
24 (E,F)	181 251 M91	Sleeve Assembly, Bevel Pinion Bearing (See Note).....	1
25	181 253 M1	Pin, Dowel.....	1
(E)	195 163 M1	Cone, Bearing (Used w/181 251 M91 Sleeve).....	2
27	180 798 M1	Hub, P.T.O. Drive Gear.....	1
28	180 455 M1	Washer, Lip, Adjusting Nut Lock.....	1
29	180 456 M1	Nut, Bearing Adjusting.....	1
30	182 091 M1	Gear, P.T.O. Drive (23 Int. and 38 Ext. Teeth).....	1
31	195 690 M1	Ring, Snap, P.T.O. Drive Gear Lock.....	1
32	195 160 M1	Cup, Bearing.....	2
33	181 224 M1	Bolt (9/16 x 1-1/4" NC, Hex., Special).....	6
34	353 447 X1	Washer (9/16" Lock).....	6

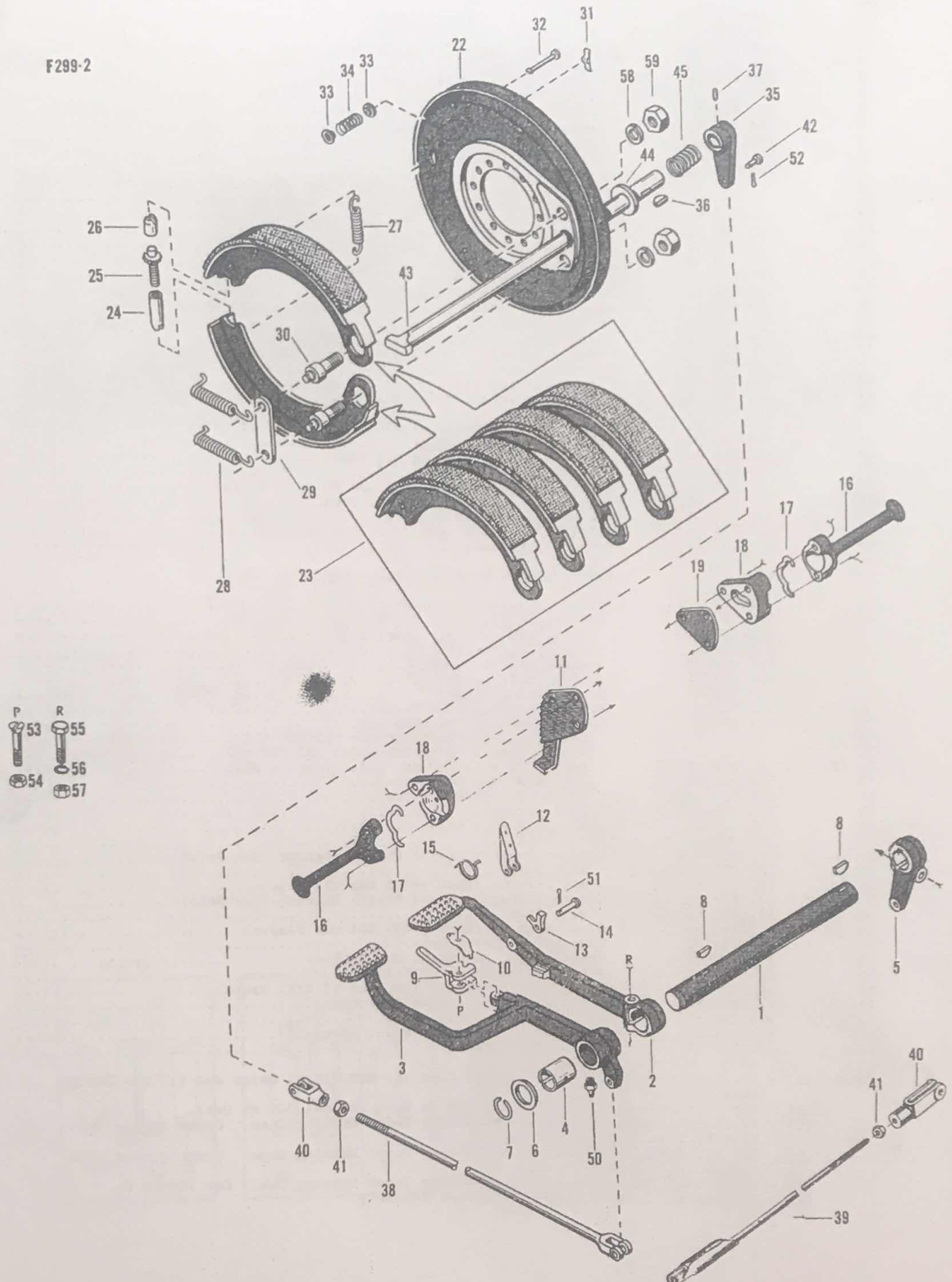
(USED PRIOR TO TRACTOR SERIAL NUMBER 169 467)

1	181 271 M91	Differential Assembly, Complete.....	1
2	181 974 M91	Case Assembly.....	1
3	181 246 M1	Bolt, Differential Case.....	8
4	181 275 M1	Pinion, Differential.....	4
5	181 277 M1	Washer, Pinion Thrust.....	4
6	181 276 M1	Spider, Differential.....	1
7	181 249 M1	Gear, Differential.....	2
8	181 247 M1	Washer, Differential Thrust.....	2
9	181 262 M91	Gear and Pinion, Matched Set.....	1
10		Gear, Ring (40 Teeth)(Order 181 262 M91).....	1
11		Pinion, Bevel (6 Teeth)(Order 181 262 M91).....	1
12 (B)	181 266 M1	Bolt (1/2 x 1-3/4" NF, Dld. f/Cotter Pin).....	12
13	353 926 X1	Nut (1/2" NF, Hex., Sltd.).....	12
14	354 060 X1	Cotter Pin (1/8 x 1-1/8").....	12
15	195 159 M1	Cone, Bearing.....	2
16	195 195 M1	Bearing, Pinion Pilot (1" ID).....	1
17	195 496 M1	Ring, Snap.....	1
21 (D)	181 251 M92	Sleeve Assembly, Bevel Pinion Bearing (See Note).....	1
22	181 253 M1	Pin, Dowel.....	1
23 (D)	195 163 M1	Cone, Bearing (Used w/181 251 M92 Sleeve).....	2
24 (E,F)	181 251 M91	Sleeve Assembly, Bevel Pinion Bearing (See Note).....	1
25	181 253 M1	Pin, Dowel.....	1
26 (E)	195 163 M1	Cone, Bearing (Used w/181 251 M91 Sleeve).....	2
27	180 798 M1	Hub, P.T.O. Drive Gear.....	1
28	180 455 M1	Washer, Lip, Adjusting Nut Lock.....	1
29	180 456 M1	Nut, Bearing Adjusting.....	1
30	180 797 M1	Gear, P.T.O. Drive (23 Int. and 31 Ext. Teeth).....	1
31	195 690 M1	Ring, Snap, P.T.O. Drive Gear Lock.....	1
32	195 160 M1	Cup, Bearing.....	2
33	181 224 M1	Bolt (9/16 x 1-1/4" NC, Hex., Special).....	6
34	195 553 M1	Washer (9/16" Lock).....	6

- Notes: (A) - For repairs order (1) 191 170 M91 Case (5) 882 118 M1 Shims and (1) 886 305 M1 Adapter.  
 (B) - For repairs order 1 each of 825 776 M1 Bolt and 891 947 M1 Seal.  
 (C) - 181 251 M93 Sleeve contains two Single Taper Bearing Cups. Order Sleeve from illustration. See Insert A.  
 (D) - 181 251 M92 Sleeve contains two Single Taper Bearing Cups. Order Sleeve from illustration. See Insert B.  
 (E) - 181 251 M91 Sleeve contains one double Taper Bearing Cup. See insert C.  
 (F) - For repairs order 181 251 M92 Sleeve Assembly.

## BRAKES

F299-2





## BRAKES

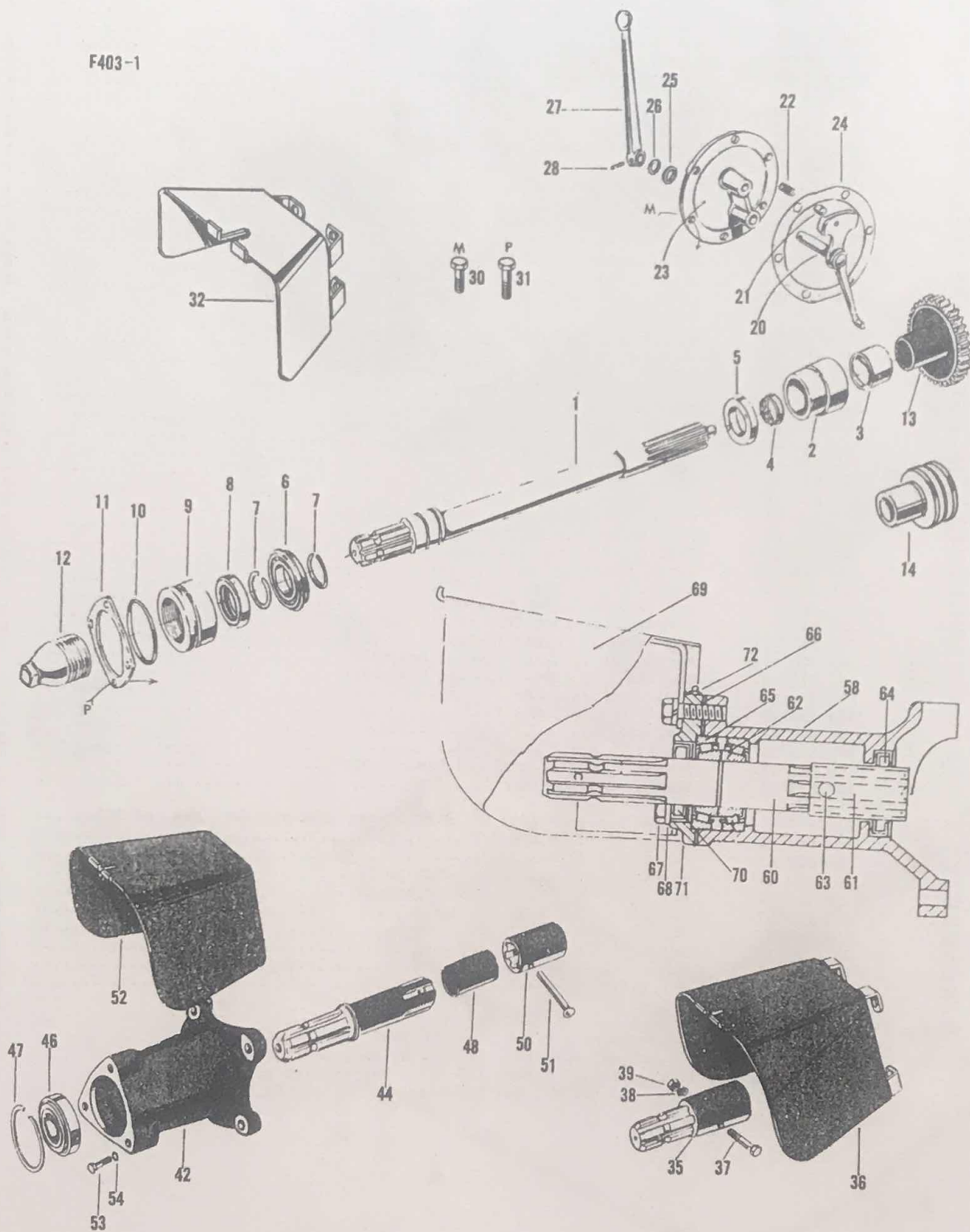
175

Ref. No.	Part No.	Description	No. Req.
1	181 959 M1	Shaft, Cross.....	1
2	181 962 M1	Pedal, Brake, Left Wheel.....	1
3	194 491 M91	Pedal, Brake, Right Wheel.....	1
4	195 910 M1	Bushing, Right Pedal (1-3/8 x 1-1/2 x 1-3/4").....	1
5	180 864 M1	Arm, Cross Shaft.....	1
6	181 964 M1	Washer, Cross Shaft.....	1
7	195 904 M1	Ring, Snap, Pedal Retaining.....	1
8	12 501 X	Key (1/4 x 1" Woodruff).....	2
9	181 960 M1	Lock, Brake Pedals.....	1
10	181 958 M1	Spring, Lock.....	1
11	182 009 M91	Sector Assembly, Parking Brake.....	1
12	181 149 M1	Actuator, Parking Latch.....	1
13	181 150 M1	Latch, Parking.....	1
14	195 242 M1	Pin, Latch.....	1
15	180 809 M1	Spring, Parking Latch.....	1
16	180 867 M1	Cap, Radius Rod Ball.....	2
17	180 868 M1	Shim, Ball Cap.....	x
18	180 869 M1	Spacer, Ball Cap.....	2
19	180 870 M1	Plate, Ball Cap Spacer.....	1
22	183 257 M91	Plate Assembly, Backing.....	2
23	830 480 M92	Lining, Kit w/Shoe (Set of 4).....	1
23	830 481 M92	Lining Kit, w/Shoe (+.030")(Set of 4).....	1
24	180 827 M1	Nut, Brake Adjusting Screw.....	2
25	180 826 M1	Screw, Brake Adjusting.....	2
26	180 831 M1	Socket, Adjusting Screw.....	2
27	180 832 M1	Spring, Adjusting Screw (Orange).....	2
28	180 815 M1	Spring, Anchor Pin (Blue).....	4
29	180 814 M1	Brace, Anchor Pin.....	2
30	180 828 M1	Pin, Anchor.....	4
31	180 836 M1	Cover, Brake Adjusting Hole.....	2
32	180 833 M1	Pin, Brake Shoe Hold Down.....	8
33	180 834 M1	Cup, Positioning Spring.....	16
34	180 835 M1	Spring, Positioning.....	8
35	181 965 M1	Lever, Brake, Rear.....	2
36	16 346 X	Key (3/16 x 1-1/8" Woodruff).....	2
37	355 434 X1	Screw, Lever Lock (1/4 x 1/4" Cup Point).....	2
38 (A)	180 838 M91	Rod Assembly, Brake (Solid).....	1
39 (B)	183 160 M91	Rod Assembly, Brake (Spring Loaded).....	1
39 (C)	181 971 M91	Rod Assembly, Brake (Spring Loaded).....	1
40	195 270 M1	Clevis, Brake Rod.....	1
41	353 430 X1	Nut (3/8" NF, Hex.).....	2
42	195 604 M1	Pin, Clevis.....	2
43	180 811 M1	Camshaft, Brake Actuating.....	2
44	180 812 M1	Washer, Cover (1-1/32 x 1-7/8 x 1/16").....	2
45	180 813 M1	Spring, Cover Washer.....	x
50	13 811 X	Grease Fitting (1/4" NF, Str.)(Order 1900 487 M91, Pkg. of 10).....	x
51	354 055 X1	Cotter Pin (1/8 x 1/2").....	x
52	354 057 X1	Cotter Pin (1/8 x 3/4").....	x
53	195 900 M1	Screw (5/16 x 1-5/8" NF, Flat Hd.).....	x
54	195 454 M1	Nut (5/16" NF, Hex., Self Locking).....	x
55	353 571 X1	Bolt (7/16 x 2-1/2" NF, Hex.).....	x
56	353 432 X1	Washer (7/16" Lock).....	x
57	353 426 X1	Nut (7/16" NF, Hex.).....	x
58	195 597 M1	Washer (3/4" Lock).....	x
59	353 435 X1	Nut (3/4" NF, Hex.).....	x

- Notes: (A) - Used Tractor Serial Number 186 190 and up.  
 (B) - Used Tractor Serial Number 176 746 thru 186 189. For repairs order  
 1 each of 183 187 M91 Rod Assembly, 195 270 M1 Yoke and 353 430 X1 Nut.  
 (C) - Used prior to Tractor Serial number 176 746. For repairs order 1 each  
 of 195 270 M1 Yoke, 181 981 M91 Rod Assembly and 353 430 X1 Nut.

### P.T.O. SHAFT, LEVER AND FORK

F403-1



# P.T.O. SHAFT, LEVER AND FORK

177

Ref. No.	Part No.	Description	No. Req.
1	181 204 M92	Shaft Assembly, P.T.O.....	1
2 (A)	180 463 M1	Sleeve, P.T.O. Shaft.....	1
3	180 461 M1	Bushing, Sleeve (1-7/8 x 2 x 1-1/2").....	1
4	195 453 M1	Bearing, Needle.....	1
5 (A)	180 464 M1	Retainer, Bearing.....	1
6	195 498 M1	Bearing, Ball.....	1
7	195 284 M1	Ring, Snap, Bearing Retaining.....	2
8	195 506 M1	Seal, Oil (1-3/4 x 2-11/16 x 3/4").....	1
9	180 465 M1	Retainer, Oil Seal.....	1
10	195 522 M1	"O" Ring, Retainer.....	1
11	180 460 M1	Retainer, End.....	1
12	180 313 M1	Cap, P.T.O. Shaft.....	1
13 (B)	182 090 M1	Gear, Ground Speed P.T.O. (10 Int. and 32 Ext. Teeth).....	1
13 (C)	180 469 M1	Gear, Ground Speed P.T.O. (10 Int. and 28 Ext. Teeth).....	1
14	180 502 M1	Hub, P.T.O. Drive (w/out G.S. P.T.O.).....	1
20	181 211 M91	Fork Assembly, P.T.O. (w/G.S. P.T.O.).....	1
20 (D)	181 268 M91	Fork Assembly, P.T.O. (w/out G.S. P.T.O.).....	1
21	180 418 M1	Plunger, Fork.....	1
22	180 417 M1	Spring, Plunger.....	1
23	181 214 M1	Cover, P.T.O. (In Differential Housing)(w/G.S. P.T.O.).....	1
23	181 269 M1	Cover, P.T.O. (w/out G.S. P.T.O.).....	1
24	181 217 M1	Gasket, Cover.....	1
25	195 467 M1	Seal, Oil (5/8 x 1 x 3/16").....	1
26	353 760 X1	Washer (5/8" Large Flat).....	1
27	192 431 M2	Lever, P.T.O. Shifter.....	1
28	195 468 M1	Pin, Lever (1/4 x 1" Roll).....	1
30	353 696 X1	Bolt (7/16 x 3/4" NC, Hex.).....	x
31	353 697 X1	Bolt (7/16 x 7/8" NC, Hex.).....	x

## P.T.O. EXTENSIONS

35	182 014 M92	Shaft Assembly, Extension, w/Coupling.....	1
36	185 083 M91	Guard Assembly, Extension Shaft.....	1
37	353 529 X1	Bolt (5/16 x 2-1/4" NF, Hex.).....	1
38	353 446 X1	Washer (5/16" Lock).....	1
39	353 916 X1	Nut (5/16" NF, Hex.).....	1

## (USED LATE MODEL TRACTORS)

42	182 785 M1	Housing, Shaft Extension.....	1
44	182 788 M1	Shaft, P.T.O. Extension (7-13/16" Long).....	1
46	196 095 M1	Bearing, Ball.....	1
47	196 096 M1	Ring, Snap, Bearing Retaining.....	1
48	192 787 M1	Spacer, Coupling (2-35/64" Long).....	1
50	181 282 M1	Coupling, P.T.O. Extension.....	1
51	16 928 X	Pin, Coupling (3/8 x 2-1/4" Rd. Hd.).....	1
52	181 289 M91	Guard Assembly, P.T.O. Extension Shaft.....	1
53	353 698 X1	Bolt (7/16 x 1" NC, Hex.).....	3
54	353 432 X1	Washer (7/16" Lock).....	3

## (USED EARLY MODEL TRACTORS)

58	181 284 M1	Housing, Shaft Extension.....	1
		Shaft Assembly, Extension (Order Components).....	1
60	181 283 M1	Shaft, Extension.....	1
61	181 282 M1	Sleeve, Shaft.....	1
62	13 659 X	Cone, Bearing.....	2
63	16 928 X	Pin, Sleeve (5/16 x 2-1/4" Rd. Hd.).....	1
64	195 715 M1	Seal, Oil (1-3/4 x 2-1/2 x 7/16").....	1
65	16 234 X	Cup, Bearing.....	2
66	181 285 M1	Shim (.003").....	x
66	181 286 M1	Shim (.005").....	x
66	181 287 M1	Shim (.012").....	x
67	353 702 X1	Bolt, Cover to Housing (7/16 x 1-1/2" NC, Hex.).....	?
68	353 433 X1	Washer (7/16" Lock).....	3
69	181 289 M91	Guard Assembly, Shaft.....	1
70	195 716 M1	Seal, Oil (1-5/16 x 2-3/8 x 1/2").....	1
71	181 288 M1	Cover, Housing.....	1
72	365 572 X1	Grease Fitting (1/8" P.T. Str.)(Order 1900 482 M91, Pkg of 10).....	1

Notes: (A) - For repairs order (1) 898 645 M91 Sleeve Assembly.

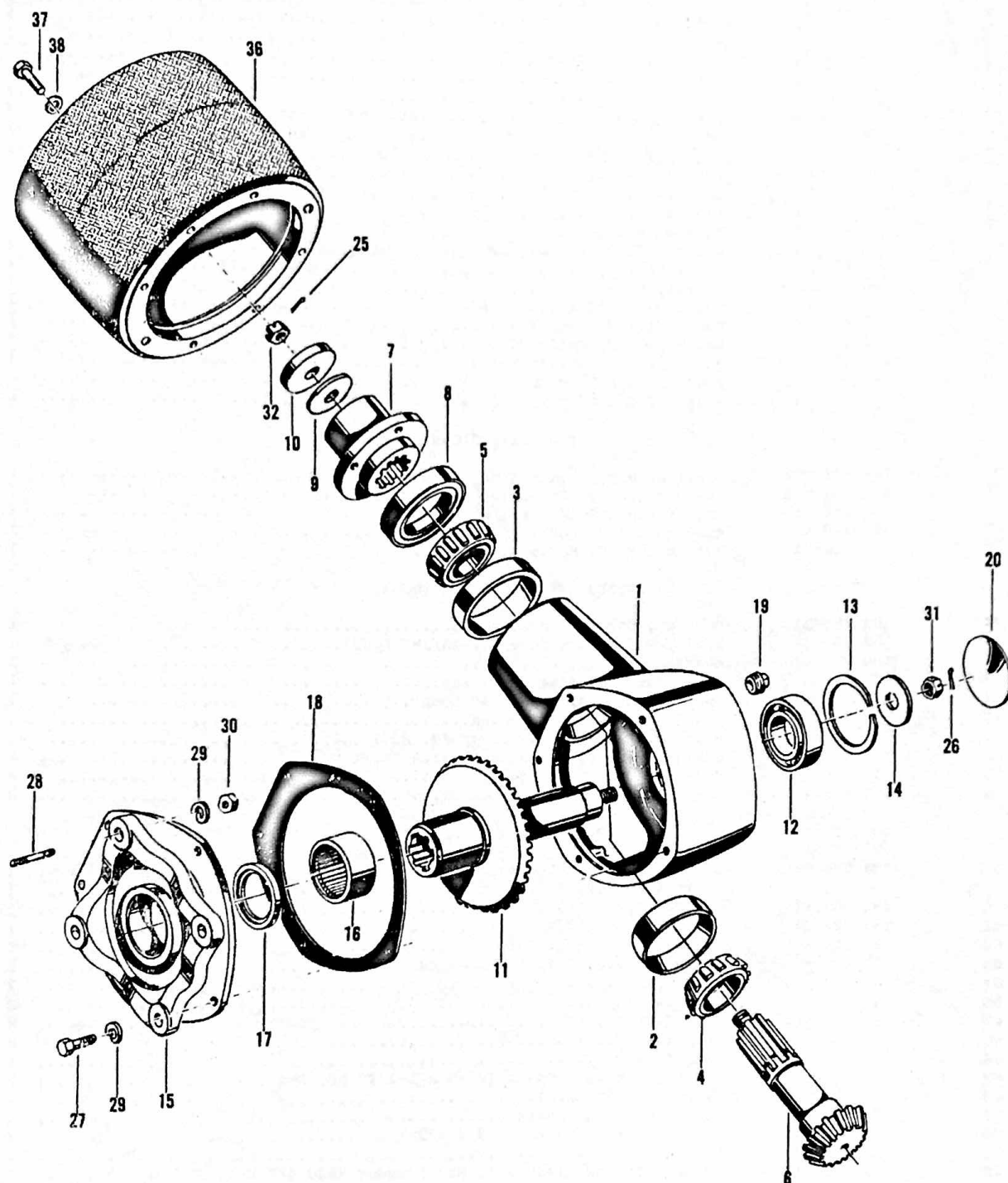
(B) - Used Tractor Serial Number 169 196 and up.

(C) - Used prior to Tractor Serial Number 169 196.

(D) - For repairs order (1) 181 211 M91 Fork Assembly & (1) 181 270 M1 Plug.

## BELT PULLEY

F234-2





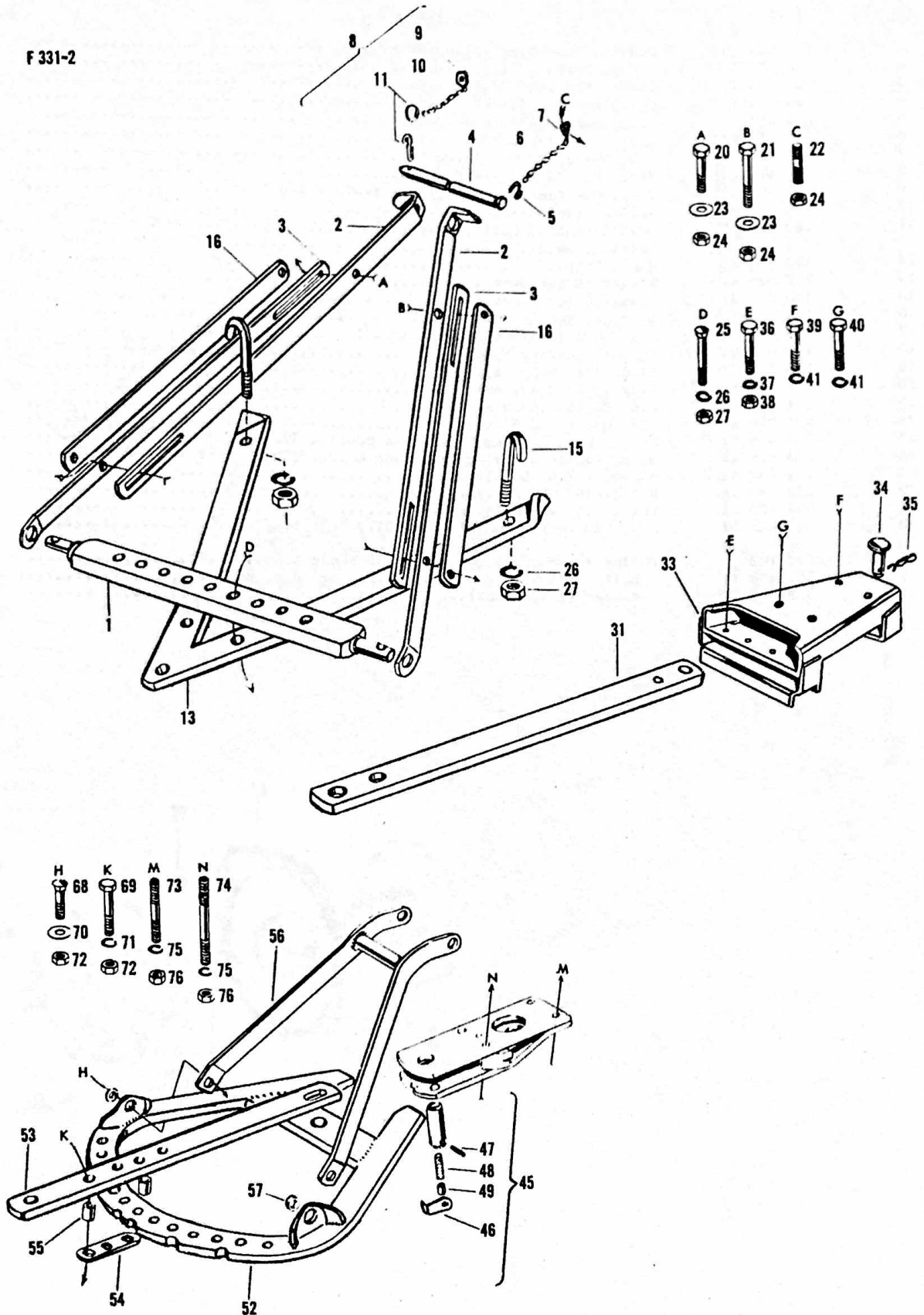
# BELT PULLEY AND DRIVE

179

Ref. No.	Part No.	Description	No. Req.
1	180 013 M91	Housing Assembly, Pulley Drive.....	1
2	15 854 X	Cup, Bearing (Inner).....	1
3	16 234 X	Cup, Bearing (Outer).....	1
4	15 853 X	Conc, Bearing (Inner).....	1
5	GK 4 203	Conc, Bearing (Outer).....	1
6	180 019 M1	Pinion, Pulley Drive.....	1
7	180 020 M1	Hub, Pulley Drive Pinion.....	1
8	195 474 M1	Seal, Oil (2 x 2-3/4 x 1/2").....	1
9	195 527 M1	Seal, Oil Pinion Shaft (7/8 x 1-5/8 x 1/8").....	1
10	675 222 M1	Washer, Pinion Shaft.....	1
11	180 016 M91	Gear Assembly, Pulley Drive.....	1
12	AT 1 040	Bearing, Ball.....	1
13	195 682 M1	Ring, Snap.....	1
14	667 556 M1	Washer, Drive Gear.....	1
15	180 015 M1	Housing, Input Bearing.....	1
16	195 472 M1	Bearing, Needle.....	1
17	195 473 M1	Seal, Oil (1-3/4 x 2-1/8 x 3/16").....	1
18	180 021 M1	Gasket, Bearing Housing.....	1
19	195 251 M1	Plug (3/4" Pipe, Sq. Hd.).....	1
20	19 467 X	Plug (2-5/8" Expansion).....	1
25	354 070 X1	Pin, Cotter (5/32 x 1-1/2").....	1
26	354 050 X1	Pin, Cotter (3/32 x 1").....	1
27	353 698 X1	Screw, Cap, Bearing Housing to Housing (7/16 x 1" NC).....	5
28	353 964 X1	Stud, Pulley Drive to Reduction Gear (7/16" NC - NF x 1-7/8").....	4
29	353 432 X1	Washer (7/16" Lock).....	9
30	353 426 X1	Nut (7/16" NF, Hex.).....	4
31	353 925 X1	Nut (7/16" NF, Sltd. Hex.).....	1
32	353 928 X1	Nut, Hub to Pinion (3/4" NF, Sltd. Hex.).....	1
36	677 702	Pulley Assembly, Fiber (Order on Whole Goods).....	1
37	353 558 X1	Bolt, Pulley to Hub (7/16 x 7/8" NF, Hex. Hd.).....	4
38	353 432 X1	Washer (7/16" Lock).....	4

## DRAWBARS AND SUPPORTS

F 331-2



# DRAWBARS AND SUPPORTS

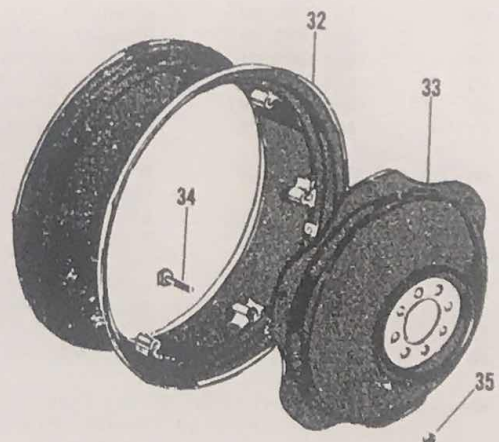
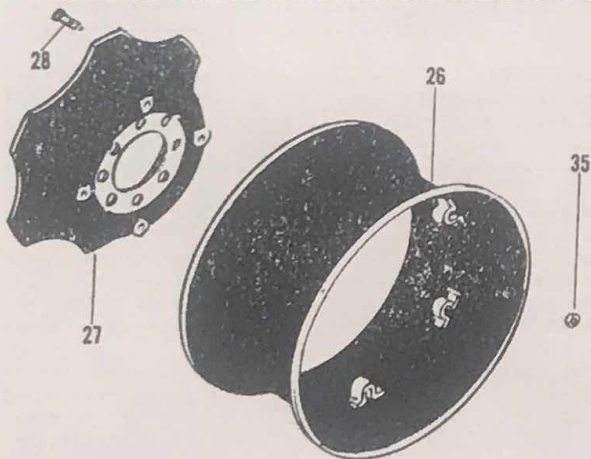
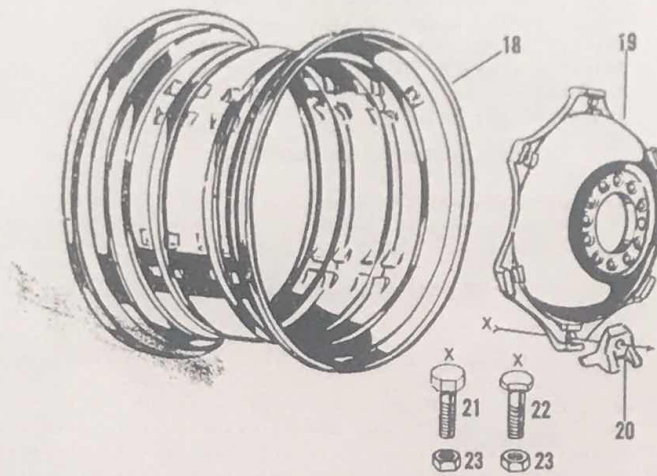
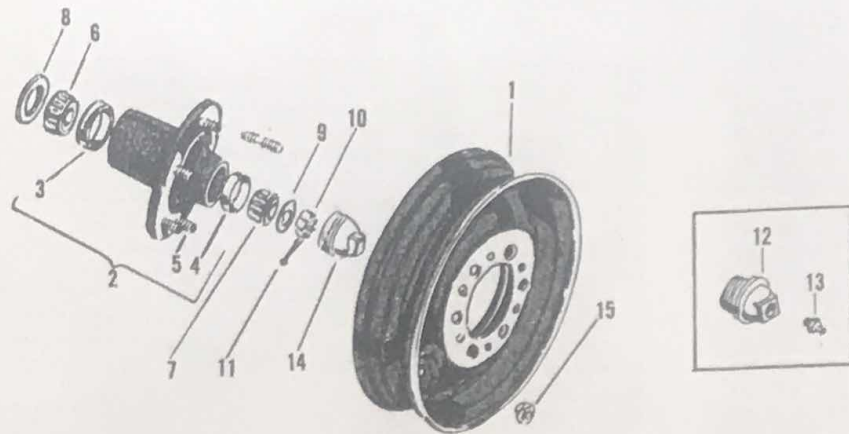
181

Ref. No.	Part No.	Description	No. Req.
1	677 240	Drawbar (Order on Whole Goods).....	1
2 (B)	181 986 M1	Stay, Drawbar, Upper (5/16" Thick, w/One Hole).....	2
2 (A)	185 397 M1	Stay, Drawbar, Upper (7/16" Thick, w/Five Holes).....	2
3 (B)	181 985 M1	Stay, Drawbar, Lower (5/16" Thick, w/One Hole).....	2
3 (A)	185 396 M1	Stay, Drawbar, Lower (7/16" Thick, w/Five Holes).....	2
4	180 901 M91	Pin Assembly, Hitch.....	1
5	195 559 M1	Eye, "S" Hook, Hitch Pin Retaining.....	1
6	195 340 M1	Chain (11 Links).....	1
7	180 913 M1	Anchor, Chain.....	1
8	180 912 M92	Retainer Assembly, Hitch Pin.....	1
9	180 913 M2	Anchor, Chain.....	1
10	195 344 M1	Chain (8 Links).....	1
11	196 280 M91	Linch Pin Assembly.....	1
13	181 846 M92	Extension Assembly, Drawbar.....	1
15	182 811 M1	Bolt, Hook.....	2
16	183 103 M2	Brace, Stay.....	2
20	353 561 X1	Bolt (7/16 x 1-1/4" NF, Hex.).....	x
21	353 564 X1	Bolt (7/16 x 1-5/8" NF, Hex.).....	x
22	353 963 X1	Stud (7/16" NC - NF x 1-3/4").....	x
23	353 772 X1	Washer (7/16" Large Flat).....	x
24	353 426 X1	Nut (7/16" NF, Hex.).....	x
25	353 867 X1	Bolt (5/8 x 2-1/2" NF, Carr.).....	x
26	353 433 X1	Washer (5/8" Lock).....	x
27	353 427 X1	Nut (5/8" NF, Hex.).....	x
(USED EARLY MODEL TRACTORS)			
	181 842 M91	Extension Assembly, Drawbar.....	1
	182 811 M1	Hook Bolt, Drawbar.....	2
	181 841 M1	Brace Stay.....	2
SWINGING TYPES			
31	184 611 M1	Drawbar.....	1
33	184 607 M91	Support Assembly, Drawbar.....	1
34	184 630 M1	Pin, Pivot, Drawbar.....	1
35	195 708 M1	Pin, Retaining, Pivot Pin.....	1
36	353 710 X1	Bolt (7/16 x 2-1/2" NC, Hex.).....	x
37	353 432 X1	Washer (7/16" Lock).....	x
38	355 645 X1	Nut (7/16" NC, Hex.).....	x
39	354 281 X1	Bolt (5/8 x 1-3/8" NC, Hex.).....	x
40	354 282 X1	Bolt (5/8 x 1-5/8" NC, Hex.).....	x
41	353 433 X1	Washer (5/8" Lock).....	x
45	181 758 M91	Pin Assembly, Drawbar Clevis.....	1
46		Lever, Latch (Order 181 758 M91).....	1
47	195 794 M1	Pin, Lever (5/16 x 1-1/2" Groove).....	1
48	181 759 M1	Spring, Latch.....	1
49	181 760 M1	Detent, Latch.....	1
52	181 766 M91	Guide Assembly, Drawbar.....	1
53	181 765 M1	Drawbar, Swinging.....	1
54	181 764 M1	Plate, Drawbar Guide.....	1
55	181 763 M1	Spacer, Plate (1/2 x 3/4 x 7/8").....	2
56	181 767 M91	Strut Assembly, Guide Support.....	1
57	181 762 M1	Bushing, Strut Pivot (1/2 x 3/4 x 1/4").....	2
68	353 855 X1	Bolt (1/2 x 1-1/4" NF, Carr.).....	x
69	353 599 X1	Bolt (1/2 x 2" NF, Hex.).....	x
70	353 758 X1	Washer (1/2" Reg. Flat).....	x
71	353 439 X1	Washer (1/2" Lock).....	x
72	353 437 X1	Nut (1/2" NF, Hex.).....	x
73	181 757 M1	Stud (5/8" NC-NF x 2-9/16").....	x
74	181 756 M1	Stud (5/8" NC-NF x 3-3/4").....	x
75	353 433 X1	Washer (5/8" Lock).....	x
76	353 427 X1	Nut (5/8" NF, Hex.).....	x

Notes: (A) - Used Tractor Serial Number 182 870 and up.  
 (B) - Used prior to Tractor Serial Number 182 870.

## WHEELS

F600 -1





## WHEELS

## FRONT

Ref. No.	Part No.	Description	No. Req.
1	180 367 M91	Wheel Assembly, Front (Takes 4.00 x 19 Tire).....	2
1	195 638 M91	Wheel Assembly, Front (Takes 6.00 x 16 Tire)(Order 506 020 M91).....	2
2	180 338 M91	Hub Assembly, Front Wheel.....	2
3	763 402 M1	Cup, Bearing, Inner.....	1
4	850 127 M1	Cup, Bearing, Outer.....	1
5	181 328 M1	Bolt (1/2" NF, Special).....	6
6	350 351 X1	Cone, Bearing, Inner.....	2
7	150 662 M1	Cone, Bearing, Outer.....	2
8	180 008 M1	Seal, Dust.....	2
9	180 010 M1	Washer (3/4 x 1-9/16 x 3/32" Lip).....	2
10	353 928 X1	Nut (3/4" NF, Hex., Slid.).....	2
11	354 068 X1	Cotter Pin (5/32 x 1-1/4").....	2
12 (A)	191 142 M1	Cap, Hub.....	2
13 (A)	13 811 X	Grease Fitting (1/4" - 28 Str.)(Order 1900 487 M91, Pkg. of 10).....	2
14 (B)	180 009 M1	Cap, Hub (For repair order 1 each of 191 142 M1 and 13 811 X).....	2
15	195 490 M1	Nut, Hub Bolt.....	12

## REAR

## MANUAL ADJUSTING

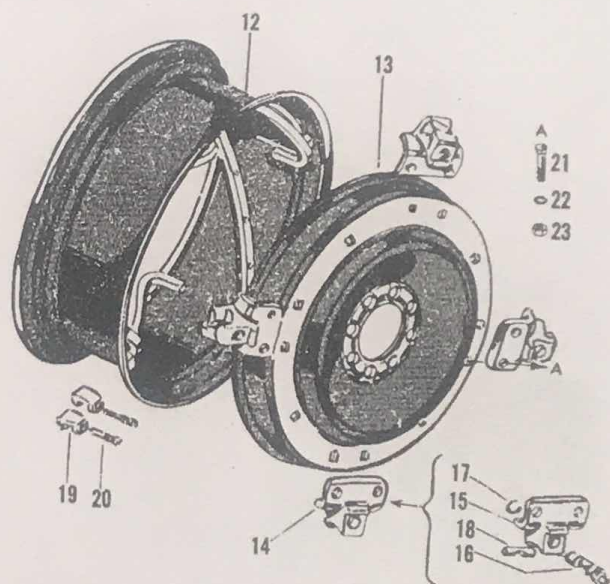
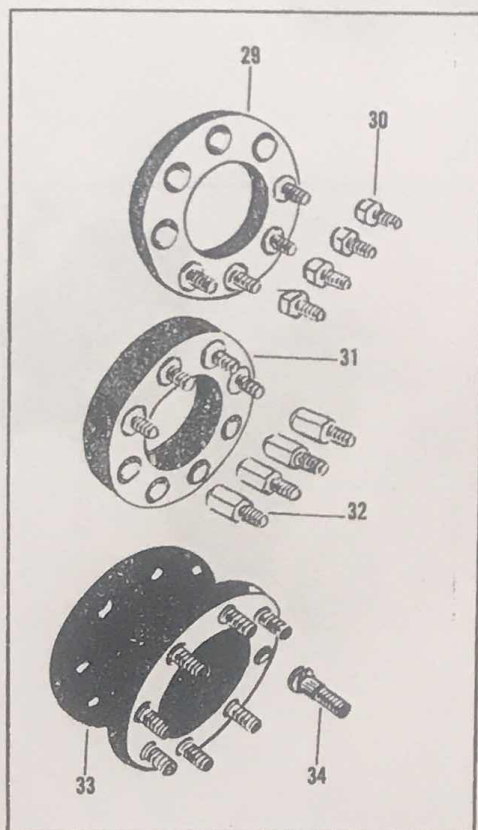
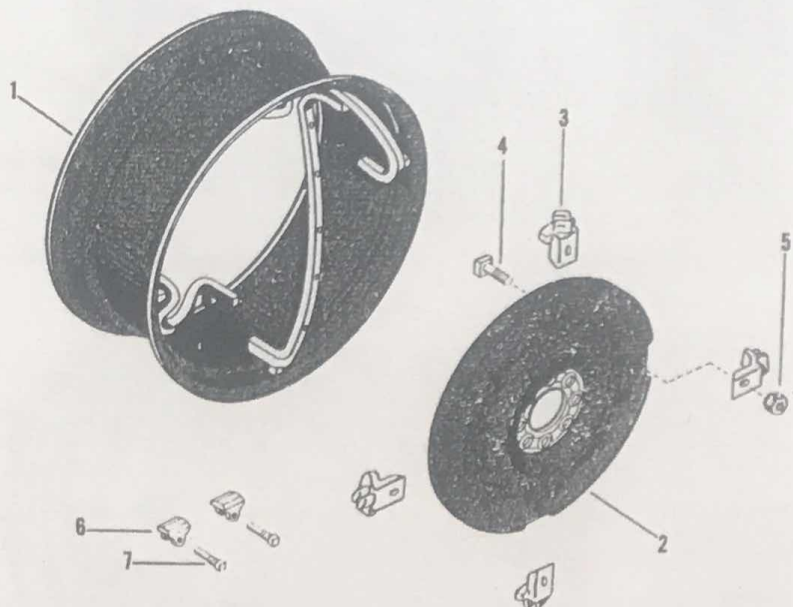
18	182 618 M2	Rim, Rear Wheel (Takes 13 x 24 Tire).....	2
19	182 617 M1	Disc, Wheel Center.....	2
20	182 619 M1	Clamp, Disc.....	12
21	353 616 X1	Bolt, Clamp (5/8 x 2-1/8" NF, Hex.)(Optional w/353 731 X1).....	12
22	353 731 X1	Bolt, Clamp (5/8 x 2-1/8" NF, Button Hd.)(Optional w/353 616 X1).....	12
23	353 427 X1	Nut (5/8" NF, Hex.).....	12
26	186 017 M91	Rim Assembly, Rear Wheel (Takes 13 x 24 Tire).....	2
27	186 186 M1	Disc, Wheel Center.....	2
28	180 876 M1	Bolt, Rim to Disc.....	12
32	180 863 M91	Rim Assembly, Rear Wheel (Takes 11 x 28 Tire).....	2
33	193 701 M91	Disc, Wheel Center.....	2
34	180 876 M1	Bolt, Rim to Disc.....	12
35	353 427 X1	Nut (5/8" NF, Hex.).....	12

Notes: (A) - Used Tractor Serial Number 231 396 and up.

(B) - Used prior to Tractor Serial Number 231 396.

## WHEELS

F600-51



## WHEELS

185

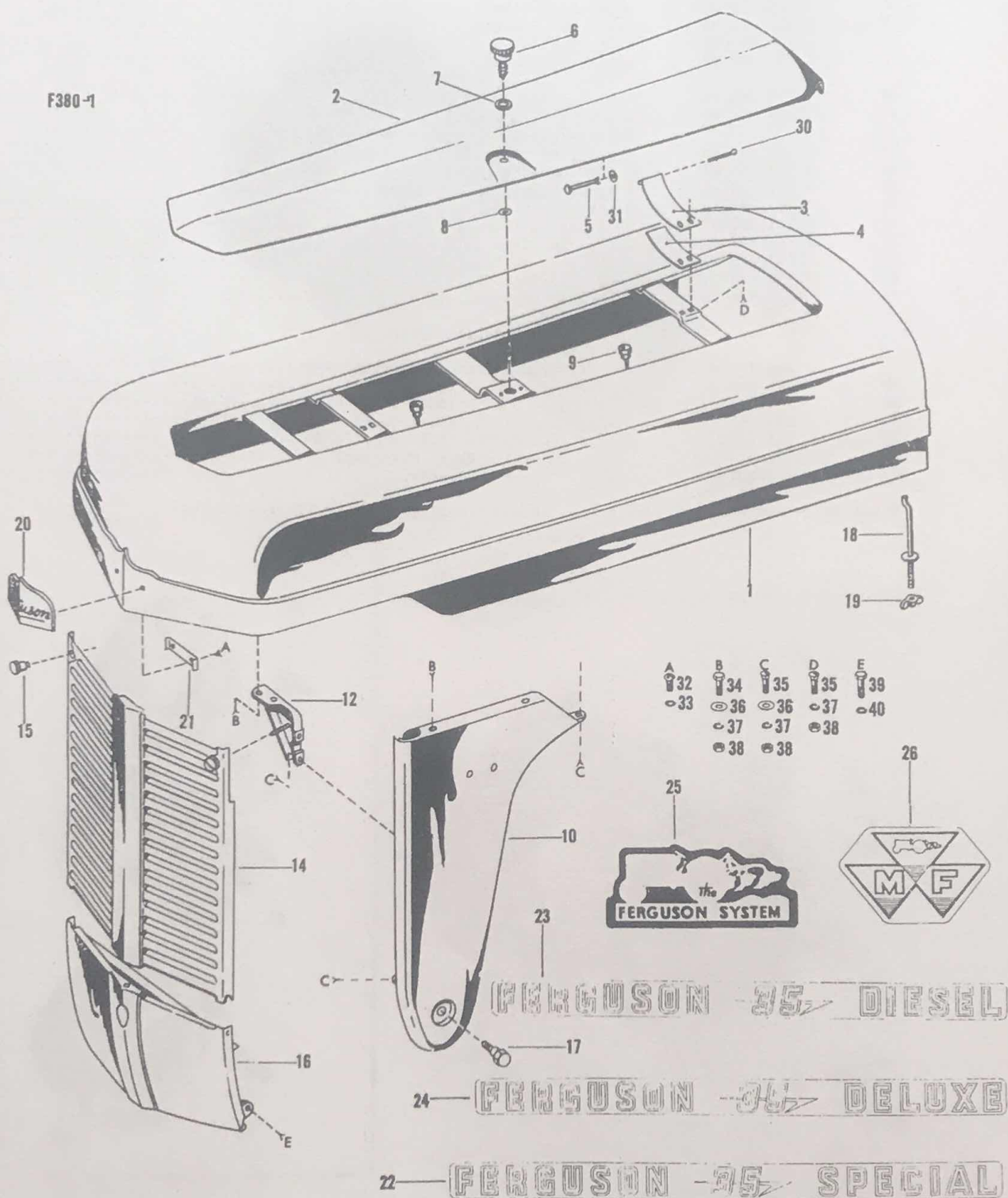
## REAR

## POWER ADJUSTING

Ref. No.	Part No.	Description	No. Req.
1	1 751 395 M92	Rim Assembly, Rear Wheel (Takes 11 x 28 Tire).....	2
2	1 755 056 M1	Disc, Wheel Center.....	2
3	1 755 057 M1	Clamp, Disc to Rim.....	8
4	1 024 353 M1	Bolt, Disc Clamp.....	8
5 (A)	1 755 059 M1	Nut, Disc Clamp Bolt.....	8
6	1 755 060 M1	Stop, Body.....	4
7	1 751 403 M1	Screw, Stop Body.....	4
12	1 751 395 M91	Rim Assembly, Rear Wheel (Takes 11 x 28 Tire).....	2
13	1 751 404 M1	Disc, Wheel Center.....	2
14		Body Assembly, Eccentric (Order Components).....	8
15	1 751 406 M1	Body, Eccentric.....	1
16	1 751 405 M1	Pin, Body Lock.....	1
17	1 751 408 M1	Ring, Snap, Pin Retaining.....	1
18	1 751 407 M1	Block, Eccentric.....	8
19	1 751 402 M1	Body, Adjustment Stop.....	4
20	1 751 403 M1	Screw, Adjustment Body Lock.....	4
21	1 751 409 M1	Bolt, Body to Disc (5/8 x 1-5/8" NC, Carr.).....	16
22	353 433 X1	Washer (5/8" Lock).....	16
23	375 099 X1	Nut (5/8" NC, Hex.).....	16
SPECIAL EQUIPMENT			
	182 718 M1	Washer, Spacer, Power Adjusting Wheel.....	2
29	181 768 M1	Spacer, Dual Wheel (10").....	2
30	180 722 M1	Bolt, Wheel Spacer (9/16 x 2-3/4").....	16
31	181 769 M1	Spacer, Dual Wheel (11").....	2
32	181 770 M1	Bolt, Wheel Spacer (9/16 x 3-1/2").....	16
33	183 070 M91	Spacer Assembly, Wheel Extension.....	2
34	183 002 M1	Bolt, Extension Spacer.....	8

Note: (A) - For repairs order 1 each of 353 775 X1 Washer and 375 100 X1 Nut.

## HOOD AND ATTACHING PARTS, DECALS





## HOOD AND ATTACHING PARTS, DECALS

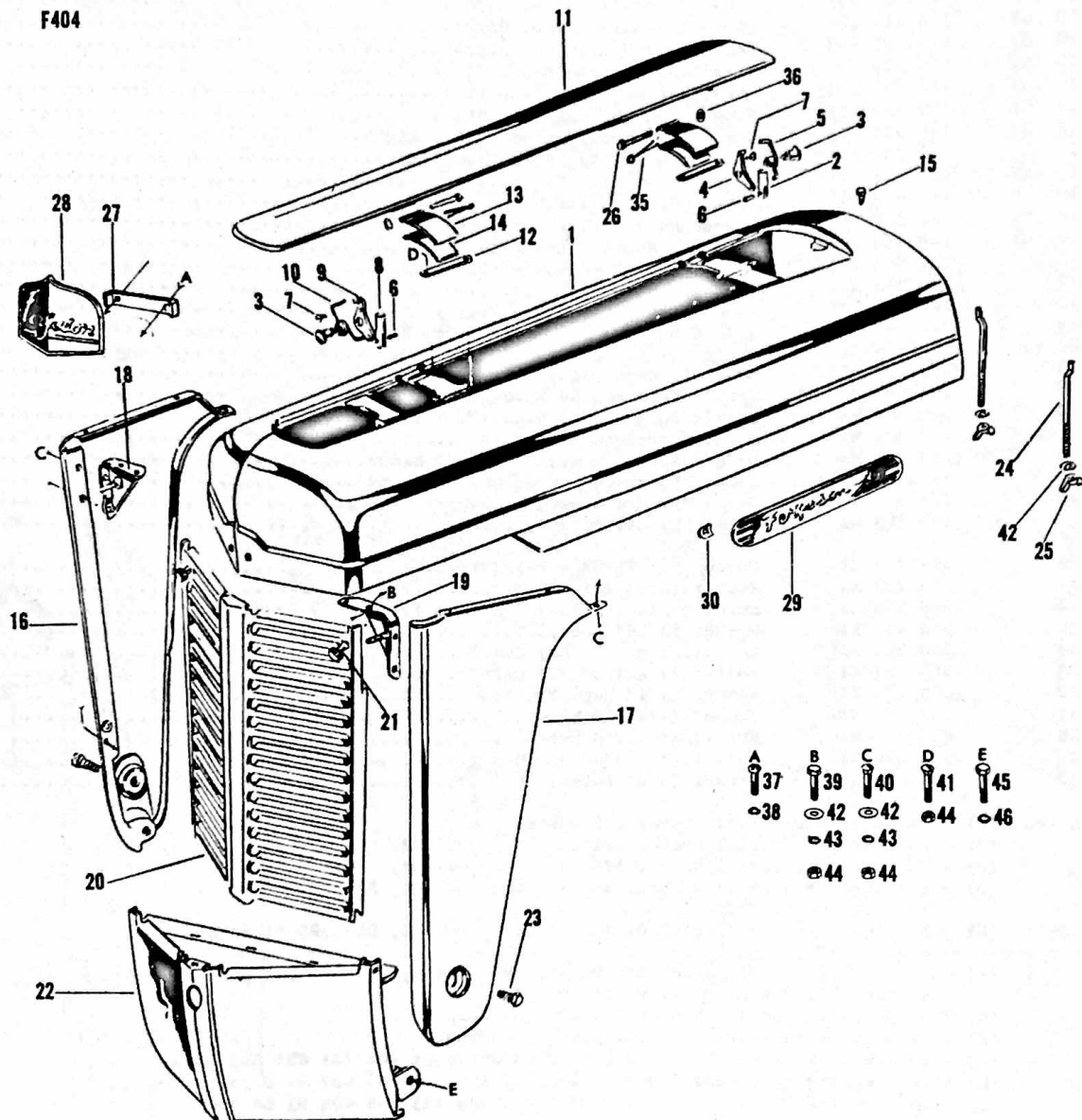
187

(USED TRACTOR SERIAL NUMBER 176 341 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	184 769 M92	Hood Assembly.....	1
2	184 767 M91	Panel Assembly, Hood Service Door.....	1
3	180 789 M2	Spring, Service Panel, Upper.....	2
4	180 799 M2	Spring, Service Panel, Lower.....	2
5	195 687 M1	Pin, Spring Hinge Bracket.....	2
6	184 674 M1	Knob, Service Panel.....	1
7	831 240 M1	Washer, Knob (3/8 x 13/16 x 1/64", Fiber).....	1
8	831 599 M1	Washer, Knob (17/64 x 5/8 x 1/32", Special).....	1
9	180 673 M1	Bumper, Service Door.....	2
10 (A)	188 321 M91	Panel Assembly, Side, Right.....	1
10 (B)	186 640 M91	Panel Assembly, Side, Right.....	1
10 (C)	180 651 M92	Panel Assembly, Side, Right.....	1
10 (A)	188 322 M91	Panel Assembly, Side, Left.....	1
10 (B)	186 635 M91	Panel Assembly, Side, Left.....	1
10 (C)	180 652 M91	Panel Assembly, Side, Left.....	1
12 (D)	180 634 M91	Bracket Assembly, Side Panel, Right.....	1
12 (E)	180 635 M91	Bracket Assembly, Side Panel, Left.....	1
14 (F)	180 656 M91	Grille Assembly, Upper.....	1
15	180 630 M1	Nut, Grille Attaching.....	2
16 (G)	186 888 M91	Grille Assembly, Lower (Gas).....	1
16 (H)	180 615 M91	Grille Assembly, Lower (Gas).....	1
16	184 988 M91	Grille Assembly, Lower (Diesel).....	1
17	180 718 M1	Bolt, Pivot, Hood.....	2
18	180 654 M1	Rod, Hood Latch.....	2
19	355 583 X1	Nut, Hood Latch Rod (5/16" NF, Wing).....	2
20 (J)	183 194 M2	Plate, Name, Front (Ferguson).....	1
21	180 690 M1	Bracket, Name Plate Mounting.....	1
22	189 099 M1	Decal "Ferguson 35 Special".....	2
23 (K)	196 247 M1	Decal "Ferguson 35 Diesel".....	2
24 (L)	196 245 M1	Decal "Ferguson 35 Deluxe".....	2
25	196 200 M1	Decal "Ferguson System" (Left Hand).....	1
25	196 211 M1	Decal "Ferguson System" (Right Hand).....	1
26	196 363 M1	Decal "MF Trade Mark" (Seat).....	1
	183 158 M1	Decal "Hi-Altitude".....	2
30	354 415 X1	Cotter Pin (5/32 x 2-1/4").....	x
31	353 753 X1	Washer (#10 Small Flat).....	x
32	353 980 X1	Screw (3/16 x 3/8" NC, Rd. Hd.).....	x
33	353 445 X1	Washer (3/16" Lock).....	x
34	353 501 X1	Bolt (1/4 x 1/2" NF, Hex.).....	x
35	353 783 X1	Bolt (1/4 x 1/2" NF, Carr.).....	x
36	353 754 X1	Washer (1/4" Reg. Flat).....	x
37	353 441 X1	Washer (1/4" Lock).....	x
38	353 918 X1	Nut (1/4" NF, Hex.).....	x
39	353 689 X1	Bolt (3/8 x 3/4" NC, Hex.).....	x
40	353 434 X1	Washer (3/8" Lock).....	x

- Notes: (A) - Used Tractor Serial Number 206 289 and up.  
 (B) - Used Tractor Serial Number 204 408 thru 206 288.  
 (C) - Used Tractor Serial Number 176 341 thru 204 407.  
 (D) - For repairs order 1 each of 189 307 M91 Bracket, 354 199 X1 Screw and 375 107 X1 Nut.  
 (E) - For repairs order 1 each of 189 308 M91 Bracket, 354 199 X1 Screw and 375 107 X1 Nut.  
 (F) - For repairs order 1 each of 191 383 M91 Grille, 189 308 M91 Bracket, Left and 189 307 M91 Bracket, Right.  
 (G) - Used Tractor Serial Number 204 408 and up.  
 (H) - Used prior to Tractor Serial Number 204 408.  
 (J) - For repairs order (1) 187 990 M1 Hood Ornament and (2) 831 643 M1 Nut.  
 (K) - For repairs order (1) 189 100 M1 Decal and (1) 189 097 M1 Decal.  
 (L) - For repairs order (1) 189 100 M1 Decal and (1) 189 098 M1 Decal.

## HOOD AND ATTACHING PARTS, DECALS



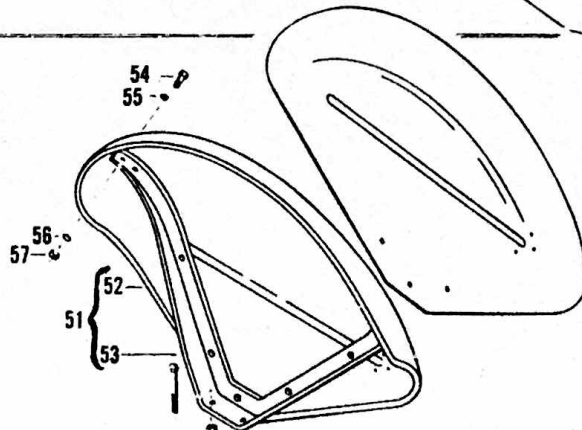
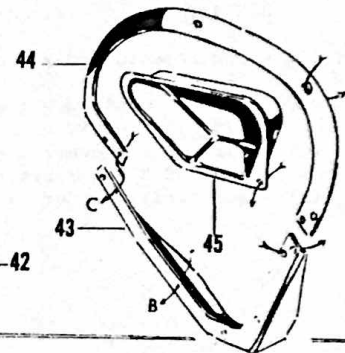
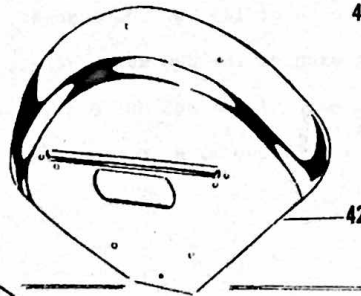
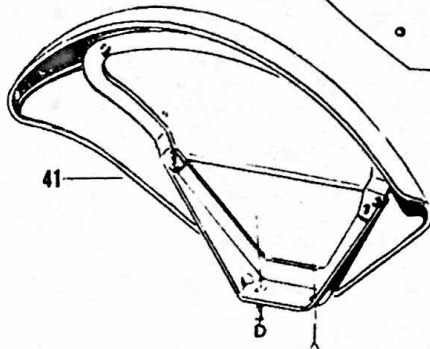
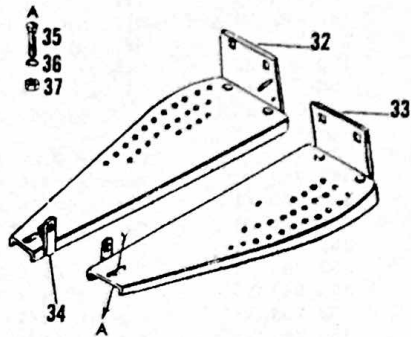
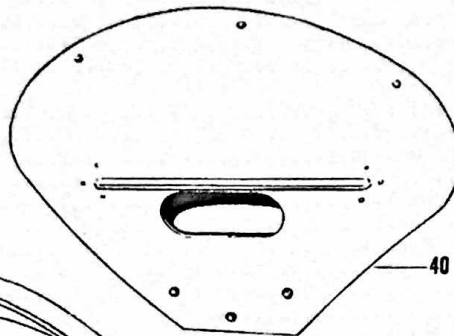
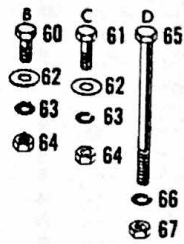
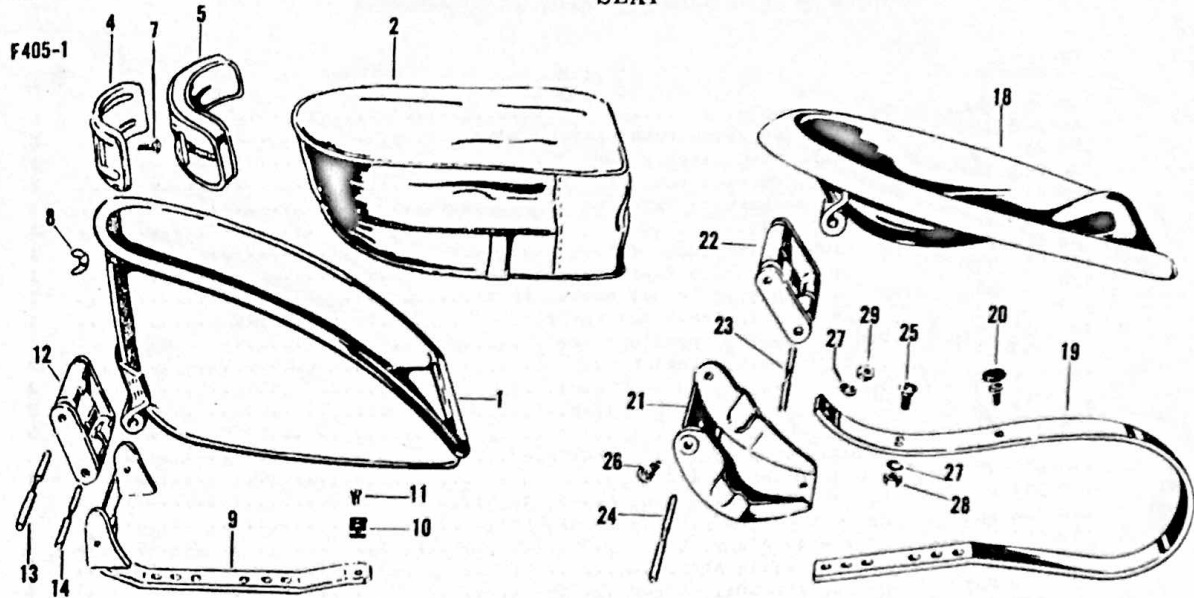
# HOOD AND ATTACHING PARTS, DECALS

189

(USED PRIOR TO TRACTOR SERIAL NUMBER 176 341)

Ref. No.	Part No.	Description	No. Req.
1	180 660 M91	Hood Assembly.....	1
2	180 679 M1	Button, Service Panel Latch, Rear.....	1
3	180 518 M1	Rivet, Hood Latch Lever.....	2
4	180 645 M1	Lever, Service Panel Latch, Rear.....	1
5	180 646 M1	Spring, Service Panel Lever.....	1
6	764 055 M1	Pin, Roll.....	2
7	353 954 X1	Screw, Drive (Rd. Hd.).....	2
8	180 680 M1	Button, Service Panel Latch, Front.....	1
9	180 644 M1	Lever, Service Panel Latch, Front.....	1
10	180 647 M1	Spring, Service Panel Lever.....	1
11	180 602 M91	Panel Assembly, Hood Service.....	1
12	180 788 M1	Plate, Service Panel Lock.....	2
13	180 789 M2	Spring, Hinge, Service Panel.....	2
14	180 799 M2	Spring, Hinge Spring Helper.....	2
15	180 673 M1	Bumper, Hood.....	3
16	180 651 M92	Panel Assembly, Side, Right Hand.....	1
17	180 652 M92	Panel Assembly, Side, Left Hand.....	1
18 (A)	180 634 M91	Bracket Assembly, Side Panel, Right.....	1
19 (B)	180 635 M91	Bracket Assembly, Side Panel, Left.....	1
20 (C)	180 656 M91	Grille Assembly, Upper.....	1
21	180 630 M1	Nut, Grille Attaching.....	2
22	180 615 M91	Grille Assembly, Lower.....	1
23	180 718 M1	Bolt, Pivot, Hood.....	2
24	180 654 M1	Rod Assembly, Hood Latch.....	2
25	355 583 X1	Nut (5/16" NF, Wing).....	1
26	195 687 M1	Pin, Hinge, Service Hood.....	2
27	180 690 M1	Bracket, Mounting, Front Name Plate.....	1
28 (D)	183 194 M1	Plate, Name, Front ("Ferguson").....	1
29	183 193 M1	Plate, Name, Side ("Ferguson 35").....	2
30	195 679 M1	Nut, Speed.....	6
35	354 415 X1	Cotter Pin (5/32 x 2-1/4").....	x
36	353 753 X1	Washer (#10 Small Flat).....	x
37	353 980 X1	Screw (3/16 x 3/8" NC, Rd. Hd.).....	x
38	353 445 X1	Washer (3/16" Lock).....	x
39	353 501 X1	Bolt (1/4 x 1/2" NF, Hex.).....	x
40	353 783 X1	Bolt (1/4 x 1/2" NF, Carr.).....	x
41	354 241 X1	Bolt (1/4 x 9/16" NF, Carr.).....	x
42	353 754 X1	Washer (1/4" Reg. Flat).....	x
43	353 441 X1	Washer (1/4" Lock).....	x
44	353 918 X1	Nut (1/4" NF, Hex.).....	x
45	353 689 X1	Bolt (3/8 x 3/4" NC, Hex.).....	x
46	353 434 X1	Washer (3/8" Lock).....	x

- Notes: (A) - For repairs order 1 each of 189 307 M91 Bracket, 354 199 X1 Screw and 375 107 X1 Nut.  
 (B) - For repairs order 1 each of 189 308 M91 Bracket, 354 199 X1 Screw and 375 107 X1 Nut.  
 (C) - For repairs order 1 each of 191 383 M91 Grille, 189 308 M91 Bracket, Left and 189 307 M91 Bracket, Right.  
 (D) - For repairs order (1) 187 990 M1 Hood Ornament and (2) 831 643 M1 Nut.





## SEAT

191

Ref. No.	Part No.	Description	No. Req.
1	181 313 M91	Pan Assembly, Seat.....	1
2	513 351 M91	Cover Assembly, Seat (Less Inlay).....	1
4	181 326 M1	Inlay, Seat (Foam Rubber).....	1
5	1 883 385 M1	Support, Back Rest.....	1
	513 353 M91	Cover Assembly, Back Rest (Less Inlay).....	1
7	181 324 M1	Inlay, Back Rest (Foam Rubber).....	1
8	353 807 X1	Bolt, Support to Pan (3/8 x 7/8" NF, Carr.).....	2
9	355 584 X1	Nut (3/8" NF, Wing).....	2
10	181 316 M92	Bracket Assembly, Seat Mounting.....	1
11	181 319 M1	Bumper, Seat (1 x 2 x 7/16" Rubber).....	1
12	354 239 X1	Screw, Bumper (1/4 x 1/2" NC, Flat Hd.).....	2
13	181 322 M1	Link, Seat Hinge.....	1
14	181 320 M1	Pin, Hinge (3/8 x 7-5/16").....	1
	181 321 M1	Pin, Hinge (3/8 x 6-7/8").....	1
18			
19	181 330 M91	Pan Assembly, Seat.....	1
20	181 333 M1	Spring, Seat.....	1
21	180 289 M1	Bumper, Pan.....	1
22	181 338 M91	Hinge Assembly, Seat.....	1
23	181 322 M1	Link, Seat Hinge.....	1
24	181 321 M1	Pin, Hinge (3/8 x 6-7/8").....	1
25	181 320 M1	Pin, Hinge (3/8 x 7-5/16").....	1
26	354 410 X1	Screw (5/16 x 7/8" NC, Truss Hd.).....	2
27	353 793 X1	Bolt (5/16 x 7/8" NF, Carr.).....	2
28	353 446 X1	Washer (5/16" Lock).....	4
29	354 122 X1	Nut (5/16" NC, Hex.).....	2
	353 916 X1	Nut (5/16" NF, Hex.).....	2

## PLATFORMS

32	180 717 M91	Platform Assembly (Step)(Left Side)(Gas & Std. Motors Diesel).....	1
32	186 725 M91	Platform Assembly (Step)(Left Side)(Perkins Diesel).....	1
33	191 929 M92	Platform Assembly (Step)(Right)(Gas & Std. Motors Diesel).....	1
33	193 064 M92	Platform Assembly (Step)(Right Side)(Perkins Diesel).....	1
34	180 590 M1	Bracket, Step.....	1
35	353 807 X1	Bolt (3/8 x 7/8" NF, Carr.).....	1
36	353 434 X1	Washer (3/8" Lock).....	1
37	353 431 X1	Nut (3/8" NF, Hex.).....	1

## FENDERS

40 (A)	180 736 M92	Fender Assembly, Left Hand (Incl. Items #42 thru #45).....	1
41 (A)	180 707 M92	Fender Assembly, Right Hand (Incl. Items #42 thru #44).....	1
42 (B)	181 956 M91	Panel Assembly, Left.....	1
42	181 955 M92	Panel Assembly, Right.....	1
43 (C)	180 740 M1	Support, Panel, Lower.....	1
44 (C)	180 741 M1	Support, Panel, Upper.....	1
45	180 737 M1	Box, Tools.....	1
51 (D)	513 355 M91	Fender Assembly.....	2
52	513 347 M91	Panel Assembly.....	1
53	513 349 M1	Bracket, Fender.....	1
54	353 518 X1	Bolt (5/16 x 7/8" NF, Hex.).....	3
55	353 755 X1	Washer (5/16" Flat).....	3
56	353 446 X1	Washer (5/16" Lock).....	3
57	353 916 X1	Nut (5/16" NF, Hex.).....	3
60	353 537 X1	Bolt (3/8 x 7/8" NF, Hex.).....	x
61	353 541 X1	Bolt (3/8 x 1-3/8" NF, Hex.).....	x
62	353 756 X1	Washer (3/8" Reg. Flat).....	x
63	353 434 X1	Washer (3/8" Lock).....	x
64	353 431 X1	Nut (3/8" NF, Hex.).....	x
65	353 648 X1	Bolt (5/8 x 6-1/8" NF, Hex.).....	x
66	353 433 X1	Washer (5/8" Lock).....	x
67	353 427 X1	Nut (5/8" NF, Hex.).....	x

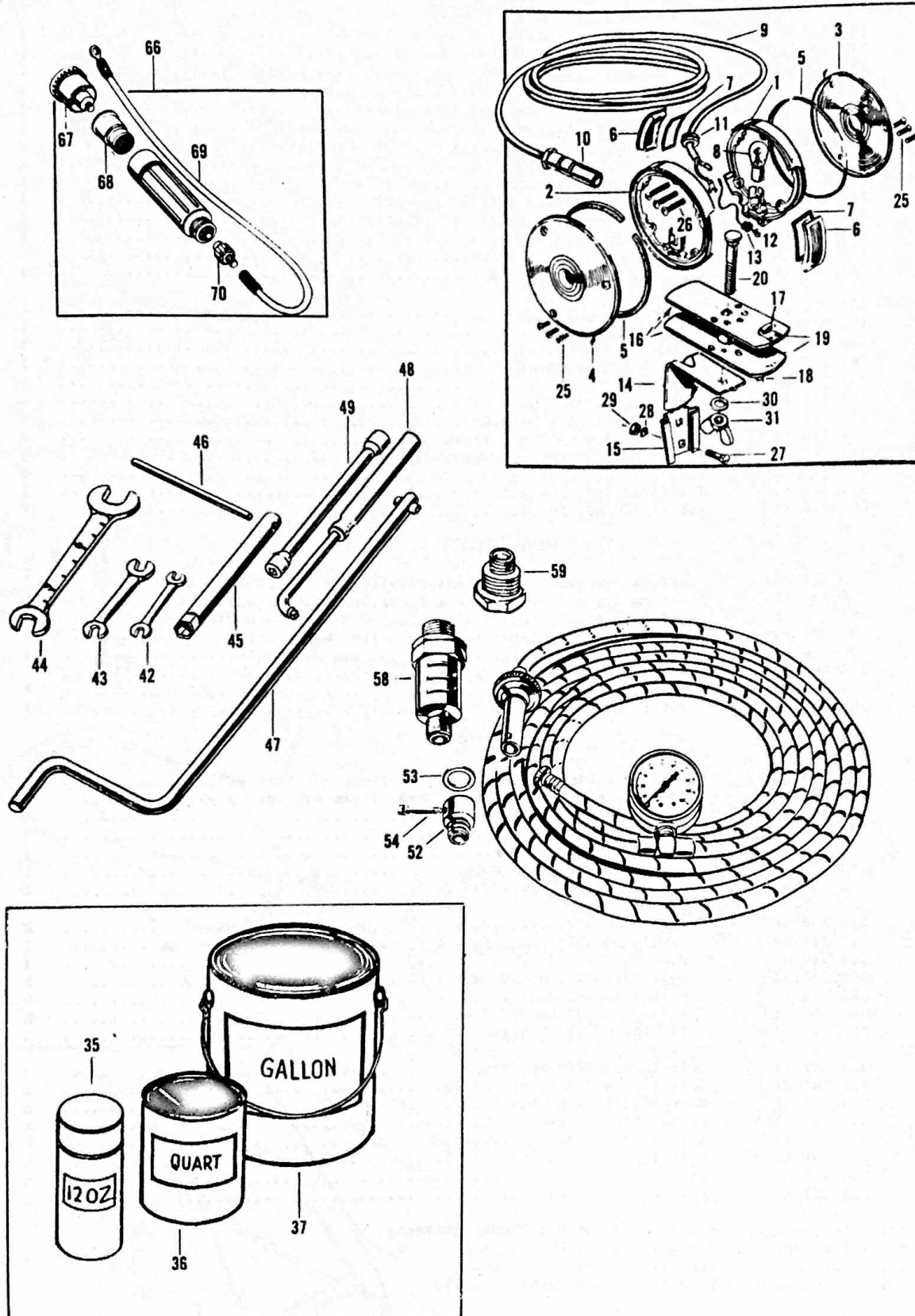
Notes: (A) - For repairs order (1) 513 355 M91 Fender Assembly.

(B) - For repairs order (1) 513 347 M91 Panel Assembly.

(C) - For repairs order (1) 513 349 M1 Bracket.

(D) - Never used in Production (For Repairs Only).

F 1559



## SAFETY LAMP

193

Ref. No.	Part No.	Description	Q. Req.
1	1 751 491 M1	Body, Male Half.....	1
2	1 751 492 M1	Body, Female Half.....	1
3	1 751 507 M1	Lens, Amber.....	1
4	1 751 506 M1	Lens, Red.....	1
5	1 751 489 M1	Gasket, Lens.....	1
6	1 751 496 M1	Lens, Side.....	2
7	1 751 499 M1	Gasket, Side Lens.....	2
8	1 751 483 M1	Bulb, Safety Lamp (12 Volt).....	1
8	761 509 M1	Bulb, Safety Lamp (6 Volt).....	1
9	1 751 497 M91	Cable Assembly.....	1
10	1 750 236 M91	Plug Assembly, Cable End.....	1
11	1 751 488 M1	Grommet, Cable (in Body).....	1
12	1 751 486 M91	Wire Assembly.....	1
13	1 751 484 M1	Spring, Wire.....	1
14	1 751 495 M1	Bracket, Lamp Mounting.....	1
15	542 748 M1	Socket, Bracket Holding.....	1
16	1 751 505 M91	Plate Assembly, Cable Storage.....	1
17	1 751 502 M1	Clip, Cable Retaining.....	1
18	1 751 504 M1	Clip, Plug Retaining.....	1
19	1 751 710 M1	Rivet, Clip (1/8 x 3/16" Rd. Hd., Tubular).....	4
20	1 751 500 M1	Stud, Lamp Mounting (7/16" NF, Special).....	1
25	1 751 711 M1	Screw (#8 - 32 x 5/8" Phillips Hd.).....	x
26	1 751 751 M1	Screw (#8 - 32 x 1" Rd.Hd.).....	x
27	353 791 X1	Bolt (5/16 x 5/8" NF, Carr.).....	x
28	353 446 X1	Washer (5/16" Lock).....	x
29	353 916 X1	Nut (5/16" NF, Hex.).....	x
30	353 432 X1	Washer (7/16" Lock).....	x
31	355 595 X1	Nut (7/16" NF, Wing).....	x

## PAINT

35	830 721 M1	Beige (12 oz. "Spray-On").....	x
36	830 722 M1	Beige (Quart).....	x
37	830 723 M1	Beige (Gallon).....	x
35	195 622 M1	Gray, Light (12 oz. "Spray-On").....	x
36	195 620 M1	Gray, Light (Quart).....	x
37	195 621 M1	Gray, Light (Gallon).....	x
35	830 718 M1	Gray, Flint Metallic (12 oz. "Spray-On").....	x
36	830 719 M1	Gray, Flint Metallic (Quart).....	x
37	830 720 M1	Gray, Flint Metallic (Gallon).....	x
35	195 954 M1	Green, Dark Metallic (12 oz. "Spray-On").....	x
36	195 952 M1	Green, Dark Metallic (Quart).....	x
37	195 953 M1	Green, Dark Metallic (Gallon).....	x
35	830 696 M2	Red Enamel (12 oz. "Spray-On").....	x
36	830 707 M2	Red Enamel (Quart).....	x
37	830 708 M2	Red Enamel (Gallon).....	x
35	830 693 M1	Bronze (12 oz. "Spray-On").....	x
36	830 694 M1	Bronze (Quart).....	x
37	830 695 M1	Bronze (Gallon).....	x

## TOOLS

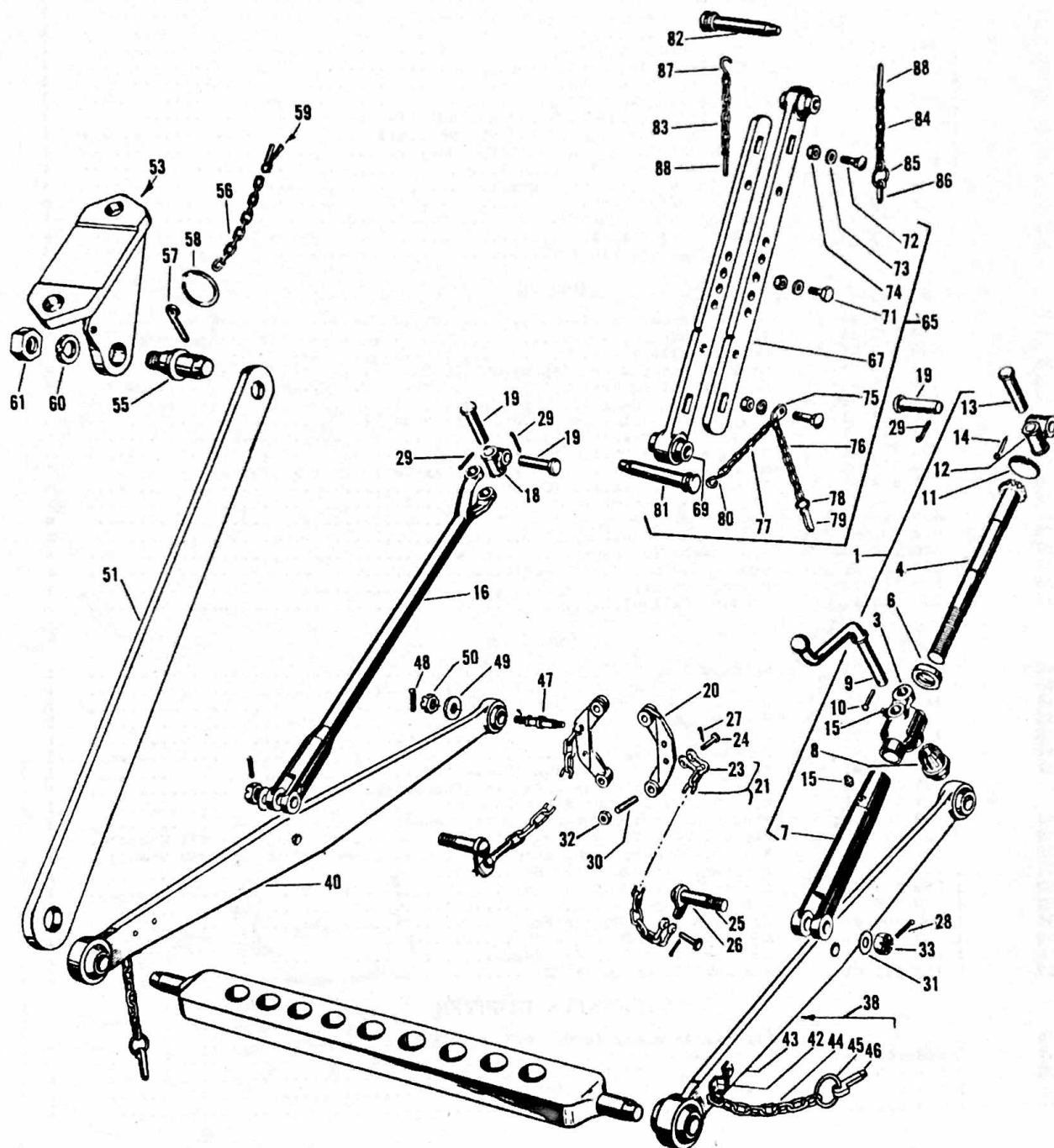
42	180 090 M1	Wrench, Open End (3/8" and 7/16").....	1
43	180 089 M1	Wrench, Open End (1/2" and 9/16").....	1
44	180 108 M1	Wrench, Open End (11/16" and 1-1/16").....	1
45	180 091 M1	Wrench, Spark Plug.....	1
46	180 092 M1	Handle, Wrench.....	1
47	182 613 M1	Crank, Starting (Gas).....	1
47	890 351 M1	Crank Assembly, Starting (Diesel).....	1
	827 562 M1	Clip, Starting Crank Retaining (Diesel).....	1
	827 563 M1	Cup, Starting Crank Retaining (Diesel).....	1
48	182 093 M92	Handle Assembly, Power Adjusting Wheels.....	1
49	182 096 M1	Wrench, Socket, Power Adjusting Wheels (Used w/1751 395 M91 Wheel).....	1
49	187 557 M1	Wrench, Socket, Power Adjusting Wheels (Used w/1751 395 M92 Wheel).....	1
52	1 750 597 M1	Adapter, Tire Pump (18 MM).....	1
52	1 750 599 M1	Adapter, Tire Pump (14 MM).....	1
53	1 750 598 M1	Washer, Adapter.....	1
54	1 750 600 M1	Screw, Adapter Retaining.....	1
58	1 753 116 M1	Adapter, Tire Pump (18 MM).....	1
58	1 753 115 M1	Adapter, Tire Pump (14 MM).....	1
59	1 753 490 M1	Adapter (18 MM to 14 MM).....	1

## CIGARETTE LIGHTER

66		Lighter Assembly (Order 677 277 Whole Goods Number).....	1
67	1 018 444 M91	Knob Assembly.....	1
68	1 018 445 M91	Element Assembly.....	1
69	1 022 704 M91	Wire Assembly (25" Long).....	1
70	1 018 875 M1	Fuse.....	1

## LIFT LINKS, LIFT RODS, STABILIZER

F 1560





## LIFT LINKS, LIFT RODS, STABILIZER

195

Ref. No.	Part No.	Description	No. Req.
1		Box Assembly, Lift Leveling (Order Components).....	1
3		Box, Lift Leveling.....	1
4 (A)	193 181 M1	Shaft, w/Pinion (9-39/64" Long).....	1
4 (B)	182 641 M1	Shaft, w/Pinion (14-5/8").....	1
6	181 346 M1	Bearing, Pinion Shaft.....	1
7 (A)	195 457 M1	Fork, Lift Rod (14" Long).....	1
7 (B)	182 391 M1	Fork, Lift Rod (10-7/32" Long) (Order 890 674 M1).....	1
8	181 347 M1	Gear, Lift Lever.....	1
9	181 345 M1	Lever, Lift.....	1
10	193 066 M1	Rivet, Lever (3/16 x 7/8" Oval Hd.).....	1
11	195 648 M1	Plug, Box (1-3/4" Expansion).....	1
12	11 475 X	Knuckle, Leveling Box.....	1
13	180 853 M1	Pin, Knuckle Retaining.....	1
14	180 860 M1	Cotter Pin (1/8 x 1").....	1
15	354 059 X1	Grease Fitting (1/4" NF, Str.) (Order 1900 487 M91, pkg. of 10).....	2
16	13 811 X	Rod Assembly, Lift.....	1
18	182 554 M92	Knuckle, Lift Rod.....	1
19	180 853 M1	Pin, Knuckle.....	3
20	180 860 M1	Anchor, Check Chain.....	2
21 (C)	182 897 M1	Chain Assembly, Check.....	2
23	180 861 M91	Clevis, Check Chain.....	2
24	180 333 M1	Pin, Clevis.....	4
25 (D)	195 239 M1	Eyebolt Assembly.....	2
26	180 856 M91	Bushing, Eyebolt (7/16 x 5/8 x 1-1/2").....	2
27	180 859 M1	Cotter Pin (1/8 x 1/2").....	4
28	354 055 X1	Cotter Pin (1/8 x 3/4").....	2
29	354 057 X1	Cotter Pin (1/8 x 1").....	3
30	354 059 X1	Stud (7/16" NC-NF x 1-7/8").....	4
31	353 964 X1	Washer (7/16" Small Flat).....	2
32	353 757 X1	Nut (7/16" NF, Hex.).....	4
33	353 426 X1	Nut (7/16" NF, Hex., Sltd.).....	2
33	353 925 X1		
38 (A)	182 633 M91	Link Assembly, Lower, R.H. (5/8" Thick) (Incl. items 42 thru 46).....	1
38 (B)	180 847 M91	Link Assembly, Lower, R.H. (1/2" Thick) (Incl. items 42 thru 46).....	1
40 (A)	182 632 M91	Link Assembly, Lower, L.H. (5/8" Thick) (Incl. items 42 thru 46).....	1
40 (B)	180 846 M91	Link Assembly, Lower, L.H. (1/2" Thick) (Incl. items 42 thru 46).....	1
42	195 645 M1	Clip, Linch Pin Retaining.....	1
43	16 898 X	Rivet, Clip (3/16 x 1-1/8" Button Hd.) (Order 480 793 M91, Box).....	2
44	195 344 M1	Chain.....	1
45	196 280 M91	Linch Pin Assembly.....	1
46		Pin, Linch (Order 196 280 M91).....	1
47	181 229 M1	Shaft, Lower Link.....	2
48	354 059 X1	Cotter Pin (1/8 x 1").....	2
49	353 774 X1	Washer (5/8" Large Flat).....	2
50	353 927 X1	Nut (5/8" NF, Hex., Sltd.).....	2
51	181 778 M1	Link, Stabilizer.....	2
53	181 775 M91	Bracket Assembly, Stabilizer, Right.....	1
53	181 776 M91	Bracket Assembly, Stabilizer, Left.....	1
55	181 777 M1	Pin, Link.....	1
56	195 344 M1	Chain (8 Links).....	1
57	195 346 M1	Pin, Linch.....	1
58	195 347 M1	Ring, Linch Pin Retaining.....	1
59	354 089 X1	Cotter Pin (1/4 x 1-1/4").....	1
60	353 433 X1	Washer (5/8" Lock).....	1
61	353 427 X1	Nut (5/8" NF, Hex.).....	1
65	180 855 M91	Link Assembly, Upper.....	1
67	181 351 M91	Link Assembly, Upper Half.....	1
69	181 353 M91	Link Assembly, Lower Half.....	1
71	353 562 X1	Bolt (7/16 x 1-3/8" NF, Hex.).....	1
72	353 830 X1	Bolt (7/16 x 1-1/2" NF, Carr.).....	2
73	353 772 X1	Washer (7/16" Large Flat).....	3
74	353 426 X1	Nut (7/16" NF, Hex.).....	3
75	195 373 M1	Anchor, Chain.....	1
76	195 340 M1	Chain, Linch Pin (11 Links).....	1
77	195 344 M1	Chain, Eye Hook (8 Links).....	1
78	195 347 M1	Ring, Linch Pin.....	1
79	195 346 M1	Pin, Linch.....	1
80	195 559 M1	Eye, Hook.....	1
81	195 647 M1	Pin, Implement Attaching.....	1
82	195 589 M1	Pin, Upper Link Attaching.....	1
83	195 340 M1	Chain, Eye Hook (11 Links).....	1
84	195 344 M1	Chain, Linch Pin (8 Links).....	1
85	195 347 M1	Ring, Linch Pin.....	1
86	195 346 M1	Pin, Linch.....	1
87	195 559 M1	Eye, Hook.....	1
88	354 074 X1	Cotter Pin (3/16 x 3/4").....	2

Note: (A) - Used Tractor Serial Number 165 750 and up.

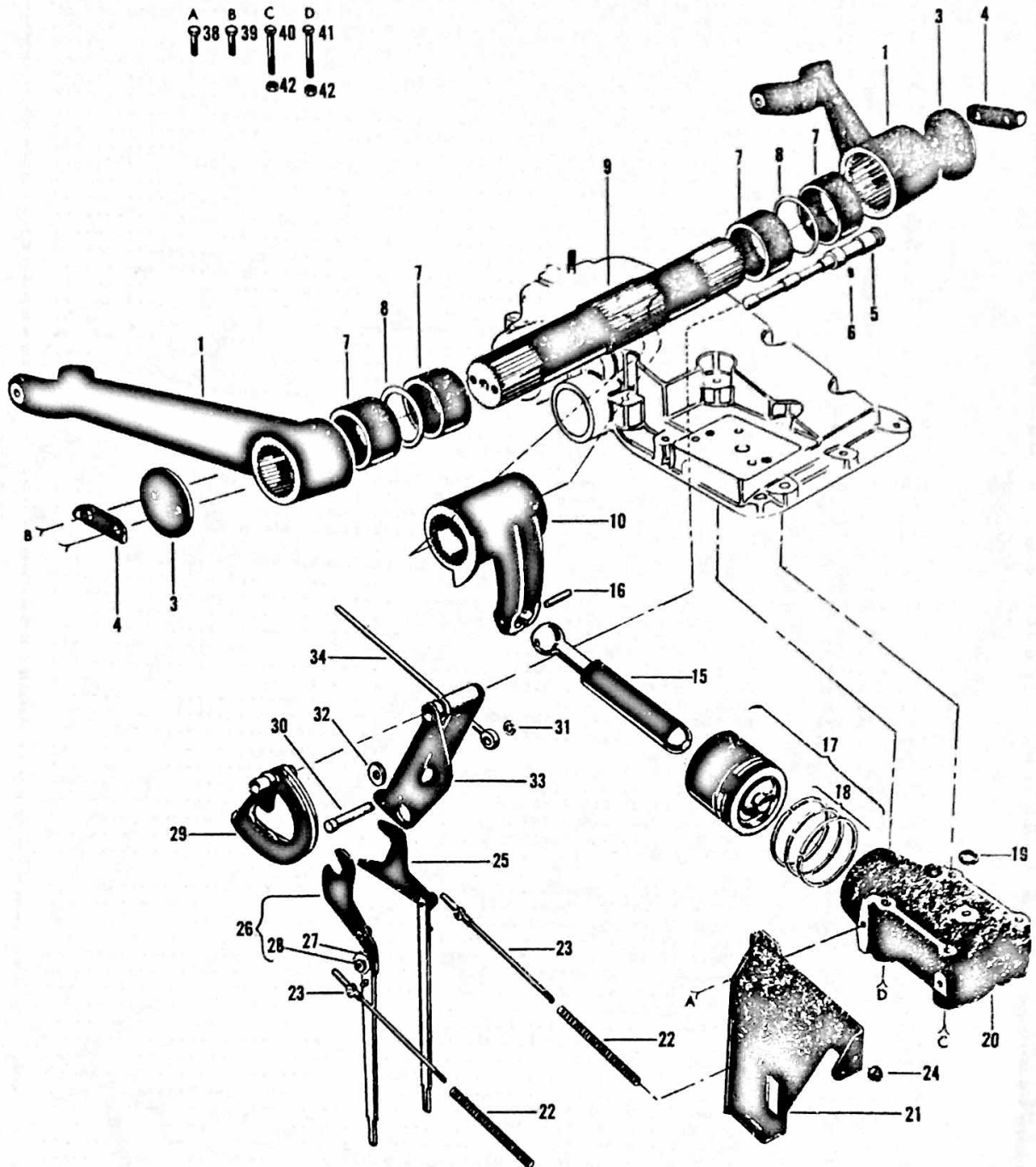
(B) - Used prior to Tractor Serial Number 165 750.

(C) - For repairs order (1) 181 354 M1 Chain and (2) 180333 M1 Shackles.

(D) - For repairs order (1) each of 353 428 X1 Nut, 353 571 X1 Bolt &amp; 894 466 M1.

## HYDRAULIC LIFT SHAFT

F239-2



## HYDRAULIC LIFT SHAFT

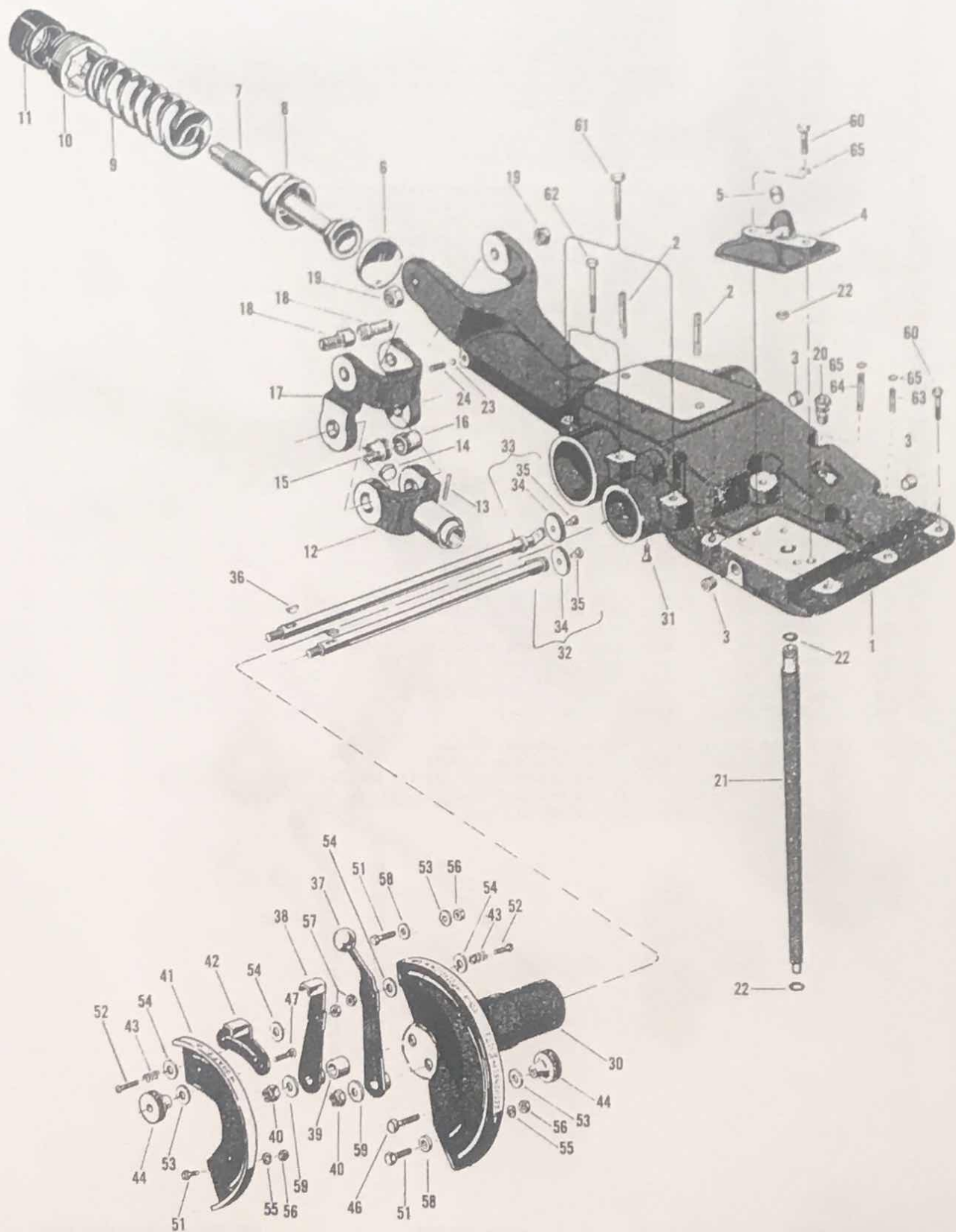
197

Ref. No.	Part No.	Description	No. Req.
1	180 910 M1	Arm, Hydraulic Lift.....	2
3	180 917 M1	Washer, Lift Arm.....	2
4	180 916 M1	Clip, Locking, Lift Arm.....	2
5	180 997 M1	Shaft, Link, Hydraulic Lift Cover.....	1
6	355 286 X1	Screw, Link Shaft (5/16 x 5/8" Cup Pt., Skt. Hd.).....	1
7	181 018 M1	Bushing, Lift Shaft (2 x 2-3/8 x 1-13/32").....	4
8	195 565 M1	"O" Ring, Lift Shaft.....	2
9 (A)	184 359 M1	Shaft, Hydraulic Lift.....	1
9 (B,C)	180 971 M1	Shaft, Hydraulic Lift.....	1
10	180 970 M2	Arm, Hydraulic Lift Ram.....	1
15	180 903 M2	Rod, Connecting, Hydraulic Piston.....	1
16	195 583 M1	Pin, Connecting Rod (1/4 x 2" Roll).....	1
17 (A)	184 443 M91	Piston Assembly, Hydraulic Lift (3" Piston).....	1
18	830 741 M91	Ring, Kit, Hydraulic Lift Piston.....	1
17 (B,D)	181 159 M91	Piston Assembly, Hydraulic Lift.....	1
18 (E)	359 293 X1	Ring Kit, Hydraulic Lift Piston.....	1
19	184 442 M1	"O" Ring, Lift Cylinder (7/16 x 5/8 x 3/32").....	1
20 (A)	180 967 M1	Cylinder, Hydraulic Lift.....	1
20 (B)	181 010 M2	Cylinder, Hydraulic Lift.....	1
21	181 012 M1	Bracket, Lever Support.....	1
22	181 011 M1	Spring, Guide Rod.....	2
23	195 663 M1	Rod, Guide.....	2
24	181 001 M91	Nut, Guide Rod.....	2
25	190 885 M91	Lever Assembly, Draft Control.....	1
26	181 008 M1	Lever Assembly, Position Control.....	1
27	353 918 X1	Cam, Eccentric.....	1
28	180 993 M91	Nut (1/4" NF, Hex.).....	1
29	180 990 M1	Link Assembly, Position Control.....	1
30	195 575 M1	Pin, Draft Control.....	1
31	180 991 M1	Ring, Snap, Pin Retaining.....	1
32	180 983 M1	Roller, Cam.....	1
33	190 855 M1	Link Assembly, Draft Control.....	1
34	353 688 X1	Rod, Draft Control.....	1
38	354 391 X1	Bolt (3/8 x 5/8" NF, Hex.).....	x
39	184 379 M1	Bolt (3/8 x 11/16" NF, Hex.).....	x
40 (A)	195 574 M1	Stud, Front (1/2" NC - NF x 2-1/2").....	x
40 (B)	184 378 M1	Bolt, Front (7/16 x 4-3/8" NF, Sq. Hd.).....	x
41 (A)	195 595 M1	Stud, Rear (1/2" NC - NF x 3-1/4").....	x
41 (B)	353 437 X1	Bolt, Rear (7/16 x 5" NF, Sq. Hd.).....	x
42 (A)	353 426 X1	Nut (1/2" NF, Hex.).....	x
42 (B)		Nut (7/16" NF, Hex.).....	x

Notes: (A) - Used Tractor Serial Number 179304 and up.  
 (B) - Used prior to Tractor Serial Number 179304.  
 (C) - For Repairs order (1) 184 359 M2 Shaft and (4) 353 558 X1 Bolts.  
 (D) - For Repairs order (1) 181 983 M1 Piston and (3) 180 898 M1 Rings.  
 (E) - For Repairs order (3) 180 898 M1, Rings.

## HYDRAULIC LIFT COVER AND CONTROLS

F 238-3





## HYDRAULIC LIFT COVER AND CONTROLS

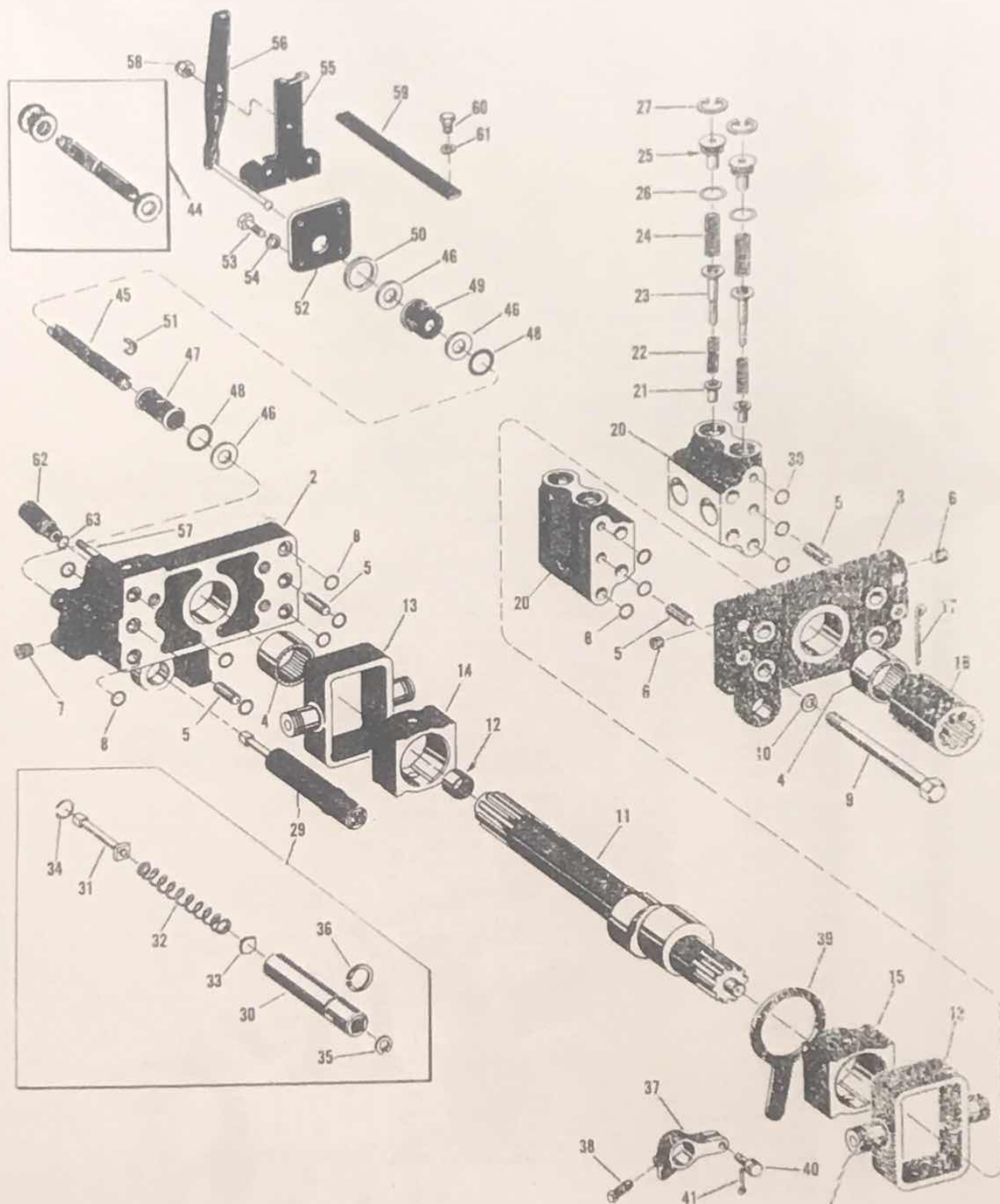
199

Ref. No.	Part No.	Description	No. Req.
1 (A)	184 392 M92	Cover Assembly, Hydraulic Lift.....	1
1 (B)	182 722 M92	Cover Assembly, Hydraulic Lift (Order 1 - 184 392 M92, 2 - 184 909 M1 and 2 - 184 910 M1).....	1
1 (C)	182 722 M91	Cover Assembly, Hydraulic Lift (Order 1 - 184 392 M92, 2 - 184 909 M1 and 2 - 184 910 M1).....	1
1 (D)	182 374 M91	Cover Assembly, Hydraulic Lift (Order 1 - 184 392 M92, 1 - 182 580 M1 1 - 182 581 M1, 1 - 182 582 M1, 2 - 184 909 M1 and 2 - 184 910 M1).....	1
2	353 961 X1	Stud (7/16" NC - NF x 1-1/2").....	2
3	195 387 M1	Plug (3/8" Pipe, Sckt. Hd.).....	3
4	520 933 M91	Cap Assembly, Hydraulic Lift Cover.....	1
5	195 567 M1	Plug (1/8" Pipe, Sckt. Hd.).....	1
6	180 981 M1	Disc, Overload Stop.....	1
7 (E)	182 580 M1	Plunger, Control Spring.....	1
7 (D)	180 977 M1	Plunger, Control Spring.....	1
8 (E)	182 581 M1	Seat, Control Spring.....	1
8 (D)	180 978 M1	Seat, Control Spring.....	1
9 (E)	182 582 M1	Spring, Hydraulic Lift (5-3/8" Long).....	1
9 (D)	180 998 M1	Spring, Hydraulic Lift (5-5/8" Long).....	1
10	180 979 M1	Nut, Hydraulic Spring Retainer.....	1
11	887 654 M1	Boot, Spring (Rubber).....	1
12	180 972 M2	Clevis, Hydraulic Lift.....	1
13	195 573 M1	Pin, Clevis (5/32 x 1-1/4" Groove).....	1
14	180 982 M1	Plug, Clevis (Rubber).....	1
15	181 982 M1	Bushing, Clevis, Right Hand (1-11/32" Long w/Split End).....	1
16	180 974 M1	Bushing, Clevis, Left Hand (1-3/64" Long w/Solid End).....	1
17	180 973 M2	Link, Rocker, Hydraulic Lift.....	1
18	363 593 X1	Screw, Rocker Link (1/2 x 1-1/4" NF, Sckt. Hd.).....	2
19	353 438 X1	Nut (1/2" NF, Half Hex.).....	2
20	182 099 M91	Breather Assembly, Lift Cover.....	1
21	180 906 M1	Standpipe.....	1
22	195 561 M1	"O" Ring, Standpipe (3/8 x 1/2 x 1/16").....	3
23	882 451 M1	Ball, Retainer Nut Lock (1/4" Dia.).....	1
24	355 286 X1	Screw, Ball Lock (5/16 x 5/8" Cup Point, Sckt. Hd.).....	1
30	181 026 M92	Quadrant Assembly, Position Control.....	1
31	196 022 M1	Screw, Quadrant (5/16 x 1" NF, Spec. Hd.).....	1
32	181 022 M93	Shaft Assembly, Position Control (9-15/32" Long)(Incl. Items 34 & 35)	1
33	181 019 M93	Shaft Assembly, Draft Control (10-13/16" Long)(Incl. Items 34 & 35)...	1
34	181 015 M1	Roller, Shaft (5/16 x 7/8 x 7/32").....	1
35	181 016 M1	Pin, Roller.....	1
36	2 957 X	Key (1/8 x 1/2").....	2
37	181 039 M91	Lever Assembly, Position Control.....	1
38	181 038 M91	Lever Assembly, Draft Control.....	1
39	181 040 M1	Spacer (1/2 x 3/4 x 11/16").....	1
40	195 663 M1	Nut (5/16" NF, Hex., Self-Locking).....	1
41	181 032 M1	Quadrant, Draft Control.....	1
42	181 033 M1	Slide, Draft Adjustment.....	1
43	195 618 M1	Spring, Lever Tension.....	2
44 (F)	182 274 M1	Knob, Adjustment Locking.....	2
44 (G, H)	181 042 M1	Knob, Adjustment Locking.....	2
(G)	195 619 M1	Pin, Knob Locking (1/16 x 3/8" Roll).....	2
46 (F)	182 282 M1	Bolt, Position Control Lock (1/4" NF x 7/8" Special Hd.).....	1
46 (G)	181 045 M1	Bolt, Position Control Lock (1/4" NF x 1" Special Hd, Dld. End).....	1
47 (F)	195 994 M1	Bolt, Draft Control Lock (1/4" NF x 1-1/16" Carr.).....	1
47 (G)	195 585 M1	Bolt, Draft Control Lock (1/4" NF x 1-1/4" Carr., Dld. End).....	1
51	353 502 X1	Bolt (1/4 x 5/8" NF, Hex.).....	x
52	195 617 M1	Bolt (1/4 x 7/8" NF, Rd. Hd.).....	x
53	353 754 X1	Washer (1/4" Small Flat).....	x
54	181 041 M1	Washer (1/4 x 7/8 x 1/16").....	x
55	353 441 X1	Washer (1/4" Lock).....	x
56	353 918 X1	Nut (1/4" NF, Hex.).....	x
57	353 919 X1	Nut (1/4" NF, Half Hex.).....	x
58	181 047 M1	Washer (17/64 x 5/8 x 3/16").....	x
59	353 755 X1	Washer (5/16" Small Flat).....	x
60	353 701 X1	Bolt (7/16 x 1-3/8" NC, Hex.).....	x
61	353 711 X1	Bolt (7/16 x 2-3/4" NC, Hex.).....	x
62	353 718 X1	Bolt (7/16 x 3-1/2" NC, Hex.).....	x
63	184 909 M1	Stud (7/16" - 1/2" NF x 5" Step).....	x
64	184 910 M1	Stud (7/16" - 1/2" NF x 5-5/8" Step).....	x
65	353 432 X1	Washer (7/16" Lock).....	x

- Notes: (A) - Used Tractor Serial Number 179 304 and up.  
 (B) - Used Tractor Serial Numbers 168 853 thru 179 303.  
 (C) - Used Tractor Serial Numbers 165 554 thru 168 852.  
 (D) - Used prior to Tractor Serial Number 165 554.  
 (E) - Used Tractor Serial Number 165 554 and up.  
 (F) - Used Tractor Serial Number 165 001 and up.  
 (G) - Used prior to Tractor Serial Number 165 001.  
 (H) - For repairs order 1 each of 1860 403 M1 Knob, 353 754 X1 Washer  
 and 353 918 X1 Nut.

## HYDRAULIC PUMP

F346-5



## HYDRAULIC PUMP

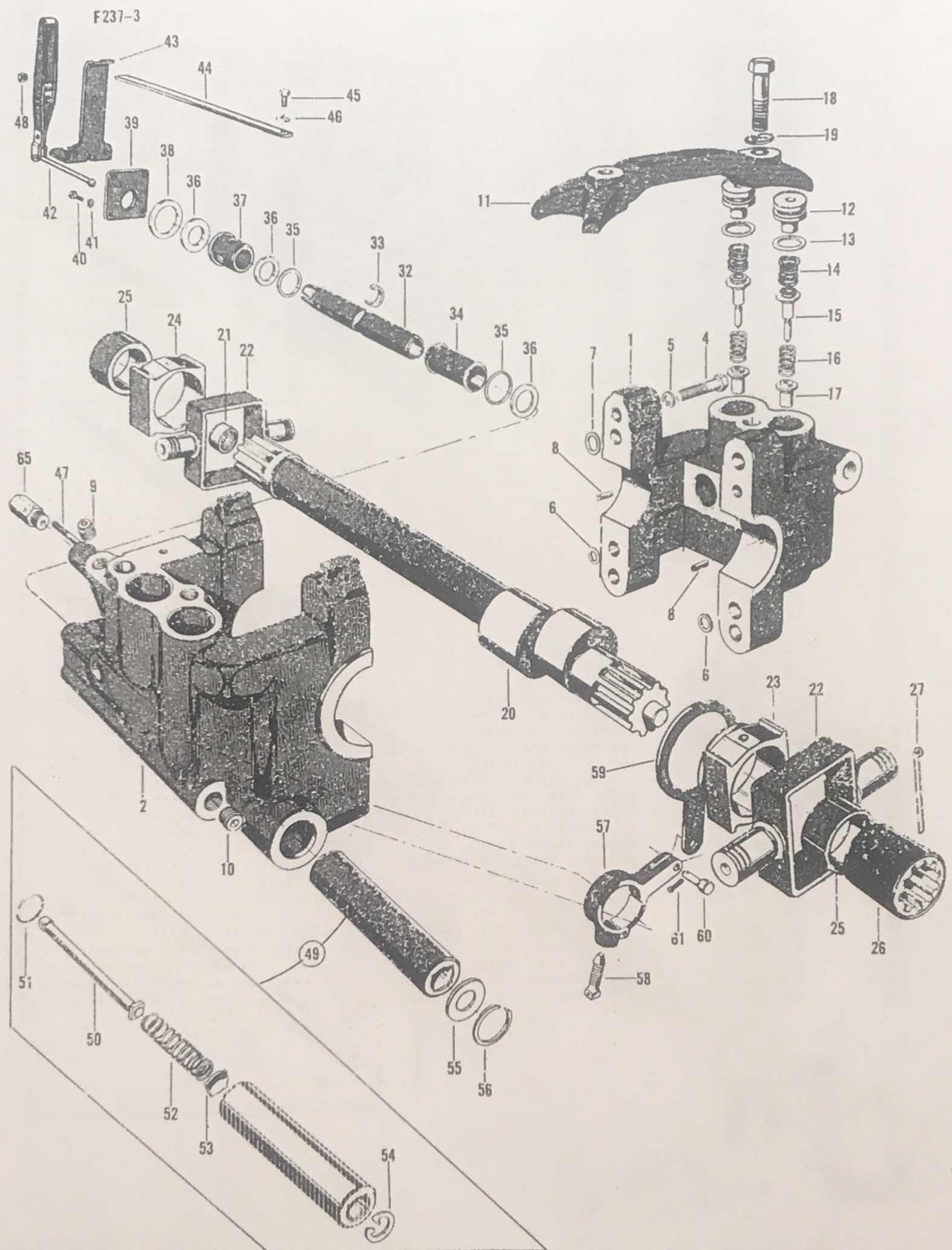
201

USED TRACTOR SERIAL NUMBER 179 304 AND UP)

Ref. No.	Part No.	Description	No. Req.
2	184 473 M91	Pump Assembly, Hydraulic.....	1
3	182 005 M93	Body Assembly, Rear Section (Incl. items 4 & 5).....	1
4	182 006 M91	Body Assembly, Front Section (Incl. items 4 & 5).....	1
5	195 950 M1	Bearing, Needle, Pump Body.....	1
6	195 951 M1	Pin, Body Locating (3/8 x 1-1/16").....	2
7	195 567 M1	Plug, Body (1/8" P.T., Ctsk. Skt. Hd.).....	2
8	356 040 X1	Plug, Body (1/4" P.T., Ctsk. Skt. Hd.).....	3
9	831 519 M1	"O" Ring, Body (7/16 x 9/16 x 1/16").....	13
10	354 642 X1	Bolt, Body (7/16 x 4-1/4" NC, Hex.).....	4
11	353 432 X1	Washer (7/16" Lock).....	4
12	181 923 M91	Camshaft Assembly.....	1
13	1 000 251 M1	Bearing, Needle, Camshaft.....	1
14	184 470 M1	Piston, Pump Camshaft Block.....	2
15	894 608 M1	Block, Pump Cam, Rear.....	1
16	894 607 M1	Block, Pump Cam, Front.....	1
17	180 926 M1	Coupling, Pump Shaft, Front.....	1
20	354 415 X1	Cotter Pin, Coupling (5/32 x 2-1/4").....	1
21	184 471 M1	Chamber, Valve.....	2
22	180 929 M1	Valve, Inlet.....	4
23	180 927 M2	Spring, Inlet Valve.....	4
24	180 930 M1	Valve, Outlet.....	4
25	180 928 M1	Spring, Outlet Valve.....	4
26	181 999 M1	Plug, Valve.....	4
27	359 001 X1	"O" Ring, Valve Plug (11/16 x 7/8 x 3/32").....	4
29	827 718 M2	Ring, Snap, Valve Plug Retaining.....	4
30	182 001 M91	Oscillator Assembly, Control Valve.....	1
31	182 002 M1	Body, Oscillator (Order 182 001 M91).....	1
32	180 937 M91	Drive Assembly, Oscillator.....	1
33	180 940 M1	Spring, Control Valve.....	1
34	180 942 M2	Disc, Drive Retainer.....	1
35	180 941 M1	Ring, Snap, Drive Retaining.....	1
36	195 576 M1	Ring, Snap, Disc Retaining.....	1
37	195 946 M1	Ring, Snap, Oscillator Retaining.....	1
38	180 934 M1	Link, Oscillator.....	1
39	195 568 M1	Screw, Link (1/4" NF, Cup Point, Sq. Hd.).....	1
40	180 933 M1	Follower, Cam.....	1
41	354 187 X1	Pin, Clevis, Link to Cam Follower.....	1
44	354 039 X1	Cotter Pin (1/16 x 1/2").....	1
45	830 744 M91	Valve Kit, Pump Control.....	1
46	180 944 M1	Valve, Pump Control (Order 830 744 M91).....	1
47	180 945 M1	Washer, Valve Sealing (1/2 x 59/64 x 1/16")(Order 830 744 M91)...	3
48	183 838 M1	Retainer, "O" Ring.....	1
49	359 002 M1	"O" Ring, Control Valve (3/4 x 15/16 x 3/32").....	2
50	180 947 M1	Spacer, Control Valve.....	1
51	180 948 M1	Washer, Spacer (31/32 x 1-1/4 x 1/16").....	1
52	180 961 M1	Ring, Snap, Control Valve Retaining.....	1
53	180 949 M1	Plate, Control Valve.....	1
54	353 678 X1	Bolt (5/16 x 7/8" NC, Hex.).....	4
55	353 446 X1	Washer (5/16" Lock).....	4
56	180 950 M1	Bracket, Valve Lever Guide.....	1
57	180 952 M91	Lever Assembly, Valve.....	1
58	182 007 M1	Stud, Lever (1/4" NC - NF, x 4-1/8").....	1
59	195 578 M1	Nut, Stud (1/4" NF, Hex., Special).....	1
60	181 998 M1	Guide, Valve Lever, Upper.....	1
61	353 666 X1	Bolt (1/4 x 5/8" NC, Hex.).....	1
62	353 441 X1	Washer (1/4" Lock).....	1
63	883 402 M91	Valve Assembly, Pump Safety.....	1
	831 452 M1	"O" Ring.....	1



## HYDRAULIC LIFT PUMP





## HYDRAULIC PUMP

203

(USED PRIOR TO TRACTOR SERIAL NUMBER 179 304)

Ref. No.	Part No.	Description	No. Req.
	183 005 M91	Pump Assembly, Hydraulic.....	1
1	180 919 M91	Body Assembly, Pump.....	1
2	180 921 M1	Body, Left Hand (Order 180 919 M91).....	1
	180 920 M1	Body, Right Hand (Order 180 919 M91).....	1
4	180 409 M1	Pin, Body Locating (3/8 x 1-1/8").....	2
5	353 706 X1	Bolt (7/16 x 2" NC, Hex.).....	4
6	353 432 X1	Washer (7/16" Lock).....	4
7	359 293 X1	"O" Ring (3/8 x 1/2 x 1/16").....	2
8	195 561 M1	"O" Ring (23/64 x 1/2 x 5/64").....	1
9	22 677 X	Pin, Bearing Retaining (3/16 x 1/2" Roll).....	2
10	195 567 M1	Plug (1/8" Pipe, Sckt. Hd.).....	1
11	356 040 X1	Plug (1/4" Pipe, Sckt. Hd.).....	1
12	180 931 M1	Retainer, Pump Valve.....	4
13	180 932 M1	Plug, Valve Chamber.....	4
14	359 001 X1	"O" Ring, Plug (11/16 x 7/8 x 3/32").....	4
15	180 928 M1	Spring, Outlet Valve.....	4
16	180 930 M1	Valve, Outlet.....	4
17	180 927 M2	Spring, Inlet Valve.....	4
18	180 929 M1	Valve, Inlet.....	4
19	353 704 X1	Bolt, Retainer (7/16 x 1-3/4" NC, Hex.).....	2
20	353 432 X1	Washer (7/16" Lock).....	2
21	180 922 M91	Camshaft Assembly, Hydraulic Pump.....	1
22	1 000 251 M1	Bearing, Needle.....	1
23	181 043 M1	Piston, Pump.....	2
24	894 607 M1	Block, Pump Cam, Front.....	1
25	894 608 M1	Block, Pump Cam, Rear.....	1
26	181 046 M1	Bearing, Pump (1-3/8 x 1-3/4 x 1-1/16").....	2
27	180 926 M1	Coupling, Pump Shaft.....	1
32	354 415 X1	Cotter Pin, Coupling (5/32 x 2-1/4").....	1
33	189 427 M92	Valve, Pump Control.....	1
34	180 961 M1	Ring, Snap, Valve Stop.....	1
35	183 838 M1	Retainer, "O" Ring.....	1
36	359 002 X1	"O" Ring, Valve (3/4 x 15/16 x 3/32").....	2
37	189 427 M92	Washer, Sealing (1/2 x 59/64 x 1/16").....	3
38	180 947 M1	Spacer, Valve.....	1
39	180 948 M1	Washer, Valve (31/32 x 1-1/4 x 1/16").....	1
40	180 949 M1	Plate, Valve Retaining.....	1
41	353 678 X1	Bolt, Plate (5/16 x 7/8" NC, Hex.).....	4
42	353 446 X1	Washer (5/16" Lock).....	4
43	180 952 M91	Lever Assembly, Valve.....	1
44	180 950 M1	Bracket, Lever.....	1
45	180 951 M1	Guide, Lever.....	1
46	353 666 X1	Bolt, Guide (1/4 x 5/8" NC, Hex.).....	1
47	353 441 X1	Washer (1/4" Lock).....	1
48	195 580 M1	Stud, Lever (1/4" NC - NF x 3-5/16").....	1
49	195 578 M1	Nut, Stop Lever (1/4" NF, Hex., Special).....	1
50	180 935 M92	Oscillator Assembly, Control Valve.....	1
51	180 937 M91	Drive Assembly, Oscillator.....	1
52	180 941 M1	Ring, Snap, Drive Retaining.....	1
53	180 940 M1	Spring, Oscillator Drive.....	1
54	180 942 M2	Disc, Spring Retainer.....	1
55	195 576 M1	Ring, Snap, Disc Retaining.....	1
56	180 943 M1	Washer, Oscillator Retainer (3/8 x 7/8 x 1/16").....	1
57	195 577 M1	Ring, Snap, Washer Retaining.....	1
58	180 934 M1	Link, Oscillator.....	1
59	195 568 M1	Screw, Link Lock (1/4" NF, Dog Point, Sq. Hd.).....	1
60	180 933 M1	Follower, Cam.....	1
61	354 187 X1	Pin, Oscillator Link.....	1
65 (A)	354 039 X1	Cotter Pin (1/16 x 1/2").....	1
65 (B)	883 402 M91	Valve Assembly, Pump Safety (2500 P.S.I.).....	1
	180 962 M91	Valve Assembly, Pump Safety (2000 P.S.I.) (Order 891 944 M91).....	1

Notes: (A) - Used Tractor Serial Number 168 853 and up.  
 (B) - Used prior to Tractor Serial Number 168 853.



## HYDRAULIC VALVES

205

(SEE NOTE A)

Ref. No.	Part No.	Description	No. Req.
1	830 978 M91	Body Assembly, Dual Control Valve.....	1
2	357 197 X91	Elbow Assembly (9/16" NF - 90").....	2
4	831 452 M1	"O" Ring, Elbow.....	1
5	356 579 X1	Cap, Elbow.....	2
6	195 869 M1	"O" Ring, Valve Body.....	3
7	667 218 M1	Spool, Valve.....	2
8	667 161 M1	Valve, Variable.....	2
9	667 158 M1	Body, Variable Valve.....	2
10	195 868 M1	"O" Ring, Variable Valve Body.....	2
11	22 199 X	Ball, Poppet (3/8" Dia.).....	2
12	667 151 M1	Spring, Ball Poppet.....	2
13	195 889 M1	Seal, Oil (7/8 x 1-17/64 x 3/32" Rubber).....	2
14	667 181 M91	Cap Assembly, Valve.....	2
15	195 561 M1	"O" Ring, Spool.....	2
16	195 874 M1	Ring, "O" Ring Back-up.....	2
17	667 159 M1	Spring, Spool.....	2
18	668 328 M1	Retainer, Spool Spring, Rear.....	2
19	195 866 M1	Retainer, Spool Spring, Front (35/64 x 1-1/4 x 1/32").....	2
20	354 476 X1	Ring, Snap, Spring Retaining.....	4
21	667 175 M1	Handle, Valve.....	2
22	667 216 M1	Pin, Handle (3/8 x 2-13/16").....	1
23	667 150 M1	Link, Valve Handle.....	2
24	22 677 X	Pin, Link (1/2 x 3/16" Roll).....	4
25	667 217 M1	Bracket, Detent.....	1
26	667 172 M1	Detent.....	1
27	668 300 M91	Guide Assembly, Detent.....	1
28	354 048 X1	Cotter Pin (3/32 x 3/4").....	2
29	195 935 M1	Screw, Guide to Handle.....	2
30	353 715 X1	Bolt (7/16 x 3-1/8" NC, Hex.).....	2
31	353 432 X1	Washer (7/16" Lock).....	2

## SINGLE CONTROL

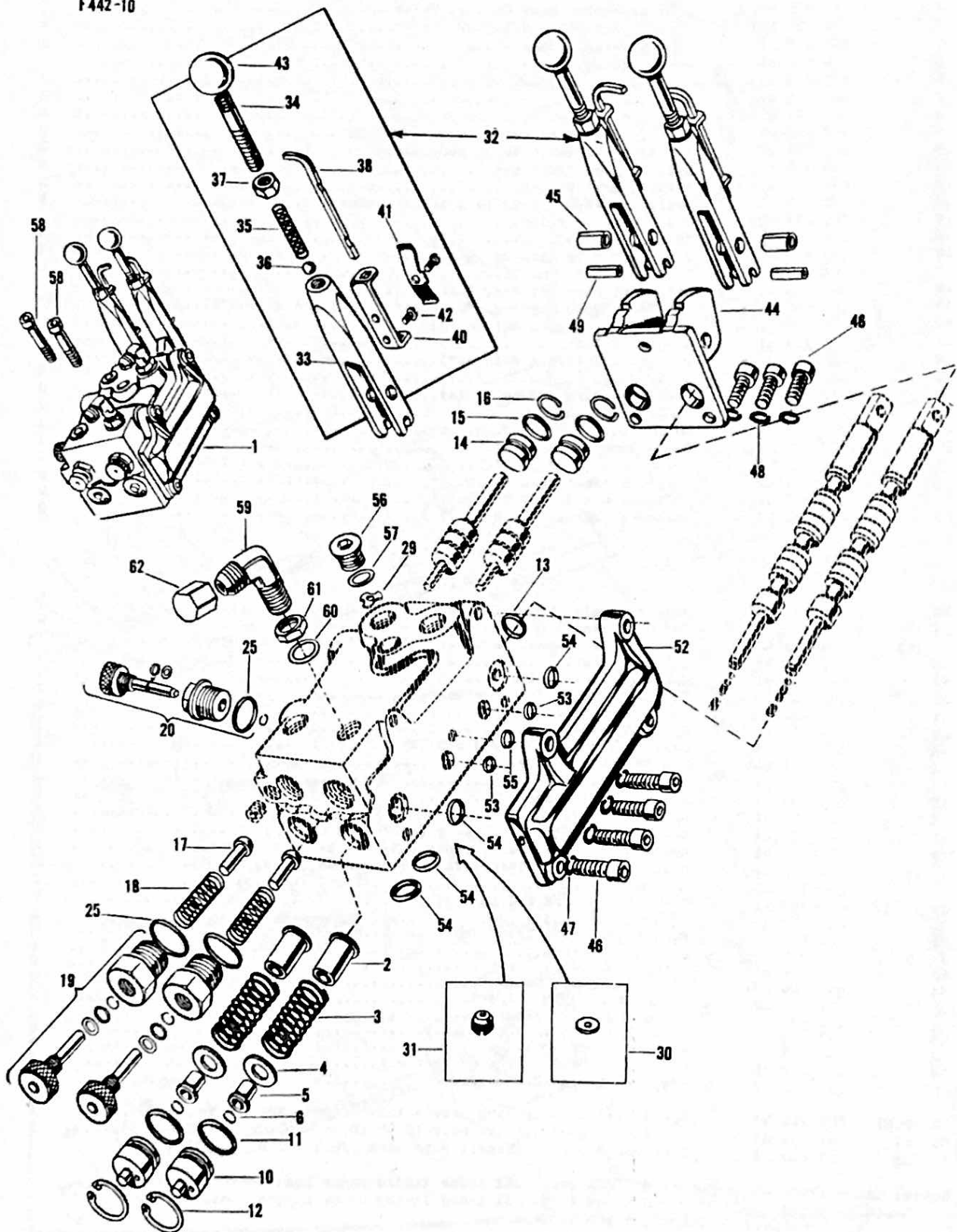
(SEE NOTE B)

32	668 339 M91	Body Assembly, Valve Spool.....	1
33	195 869 M1	"O" Ring, Valve Body.....	3
34 (C)	668 338 M1	Spool, Valve (Snapping Groove 3/64" Wide x 13/32" Deep).....	1
35	667 161 M1	Valve, Variable.....	1
36	667 158 M1	Body, Variable Valve.....	1
37	195 868 M1	"O" Ring, Variable Valve Body.....	1
38	13 535 X	Ball, Poppet (3/8" Dia.).....	1
39	667 151 M1	Spring, Ball Poppet.....	1
40	195 889 M1	Seal, Oil (7/8 x 1-17/64 x 3/32" Rubber).....	1
41	667 181 M91	Cap Assembly, Valve.....	1
42	195 561 M1	"O" Ring, Spool.....	1
43	195 874 M1	Ring, "O" Ring Back-Up.....	1
44	667 159 M1	Spring, Spool.....	1
45 (C)	668 328 M1	Retainer, Spool Spring, Rear (53/64" ID of Cup).....	1
46	195 866 M1	Retainer, Spool Spring, Front (35/64 x 1-1/4 x 1/32").....	1
47 (C)	195 986 M1	Ring, Snap (3/64" Thick)(To be used w/668 338 M1 Spool).....	2
48	667 175 M1	Handle, Valve.....	1
49	668 301 M1	Pin, Handle (3/8 x 1-23/32").....	1
50	667 150 M1	Link, Valve Handle.....	1
51	22 677 X	Pin, Link (1/2 x 3/16" Roll).....	2
52	667 178 M1	Bracket, Detent.....	1
53	667 172 M1	Detent.....	1
54	668 300 M91	Guide Assembly, Detent.....	1
55	354 048 X1	Cotter Pin (3/32 x 3/4").....	1
56	195 935 M1	Screw, Guide to Handle.....	1
57	353 715 X1	Bolt (7/16 x 3-1/8" NC, Hex.).....	1
58	353 432 X1	Washer (7/16" Lock).....	1
59	195 929 M1	Elbow (3/8" N.P.T.F. x 90° Street).....	1
60	195 386 M1	Adapter, Union (3/8" N.P.T.F.).....	1
65 (D,E)	667 182 M1	Spool, Valve (Snap Ring Groove 1/32" Wide x 29/64" Deep).....	1
66 (D)	667 183 M1	Retainer, Spool Spring, Rear (5/8" ID of Cup)(Order 668 328 M1).....	1
67 (D)	195 865 M1	Ring, Snap (1/32" Thick)(To be used w/667 182 M1 Spool).....	1

- Notes: (A) - Whole Goods Number 677 265 Incl. all items listed under Dual Control Valve.  
 (B) - Whole Goods Number 677 049 Incl. all items listed under Single Control Valve.  
 (C) - Used Late Equipment, See illustration.  
 (D) - Used Early Equipment, See illustration.  
 (E) - For repairs order 1 each of 668 338 M1 and 354 476 X1 Ring.

## AUXILIARY HYDRAULIC VALVE

F442-10





# AUXILIARY HYDRAULIC VALVE

207

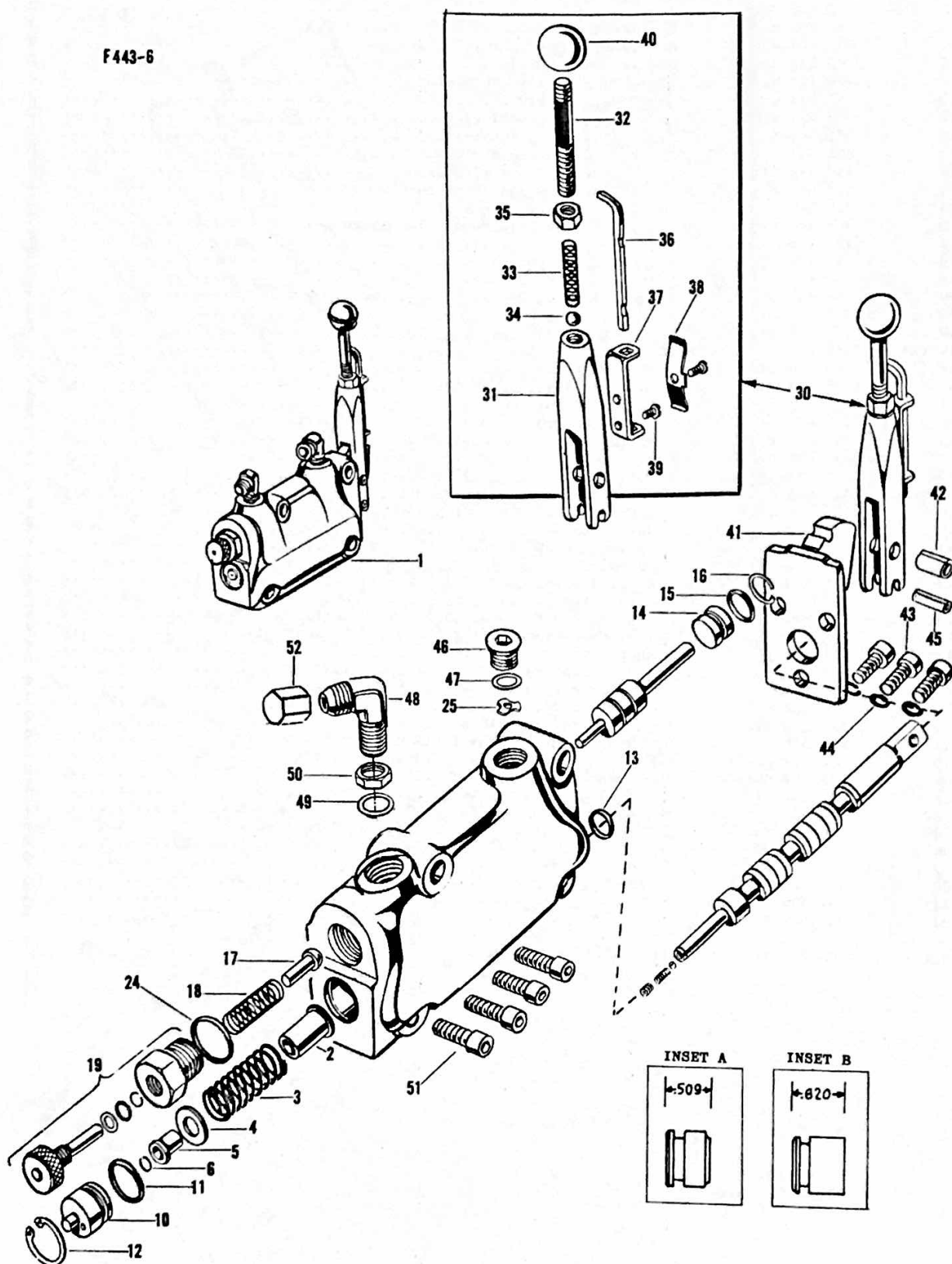
(677 219)

Ref. No.	Part No.	Description	No. Req.
1		Valve Assembly, Dual Spool.....	1
2	185 617 M1	Sleeve, Main Spool.....	2
3	185 605 M1	Spring, Main Spool.....	2
4	185 609 M1	Retainer, Spool Spring.....	2
5	185 618 M1	Collar, Main Spool.....	2
6	196 108 M1	Ring, Snap, Collar Retaining.....	2
10	185 614 M1	Plug, Main Spool.....	2
11	832 271 M1	"O" Ring, Main Spool Plug.....	2
12	355 649 X1	Ring, Snap, Plug Retaining.....	2
13	832 271 M1	"O" Ring, Main Spool Plug.....	2
14	192 874 M1	Plug, Shuttle Spool (1/2" Long).....	2
14	185 610 M1	Plug, Shuttle Spool (5/8" Long).....	2
15	359 247 X1	"O" Ring, Shuttle Spool Plug.....	2
16	363 514 X1	Ring, Snap, Shuttle Spool Plug (Used w/182 874 M1).....	2
17	192 136 M2	Valve, Poppet.....	2
18	185 607 M2	Spring, Valve Poppet.....	2
19	186 440 M91	Valve Assembly, Switch.....	2
20	186 442 M91	Valve Assembly, By-Pass.....	1
25	831 497 M1	"O" Ring, Plug Body.....	3
29	185 608 M2	Restrictor, Oil Flow.....	2
30 (A)	185 640 M1	Washer, Restrictor.....	1
31 (A)	189 576 M1	Plug, Restrictor.....	1
32	185 624 M91	Handle Assembly, Valve Control.....	1
33	185 619 M1	Clevis, Handle Body.....	2
34	185 689 M1	Shaft, Control Handle.....	2
35	185 604 M1	Spring, Handle Detent.....	2
36	831 872 M1	Ball, Handle Detent.....	2
37	353 431 X1	Nut, Shaft Lock.....	2
38	669 555 M1	Detent, Locking (Left Hand).....	1
38	669 554 M1	Detent, Locking (Right Hand).....	1
40	185 641 M1	Guide, Detent.....	2
41	185 643 M1	Spring, Detent Locking.....	2
42	360 085 X1	Screw, Guide and Spring.....	4
43	185 642 M2	Knob, Handle.....	2
44	185 620 M1	Cover, Front.....	1
45	356 922 X1	Pin, Handle to Cover (3/8 x 3/4" Roll).....	2
46	357 852 X1	Screw, Cover to Body (5/16 x 3/4" NC, Sekl. Hd.).....	7
47	353 446 X1	Washer (5/16" Lock).....	4
48	831 257 M1	Washer (5/16" Lock, Special).....	3
49	22 668 X	Pin, Handle to Main Spool (1/4 x 3/4" Roll).....	2
52	186 387 M2	Cover Assembly, Side.....	1
53	832 269 M1	"O" Ring, Cover (5/16 x 7/16 x 1/16").....	2
54	832 270 M1	"O" Ring, Cover (1/2 x 11/16 x 3/32").....	4
55	832 271 M1	"O" Ring, Cover (5/8 x 13/16 x 3/32").....	1
56	835 087 M91	Plug Assembly, Body.....	2
57	831 452 M1	"O" Ring, Plug.....	1
58	360 851 X1	Screw, Valve to Lift Cover (7/16 x 1-1/2" NC, Sekl. Hd.).....	1
58	360 855 X1	Screw, Valve to Lift Cover (7/16 x 2" NC, Sekl. Hd.).....	1
58	831 873 M1	Screw, Valve to Lift Cover (7/16 x 3-1/4" NC, Sekl. Hd.).....	2
59	357 197 X91	Elbow Assembly (90°).....	2
60	831 452 M1	"O" Ring, Elbow.....	1
61	357 195 X1	Nut, Lock, Elbow.....	1
62	356 579 X1	Cap, Elbow.....	2

Note: (A) - Check parts carefully before ordering.

### AUXILIARY HYDRAULIC VALVE

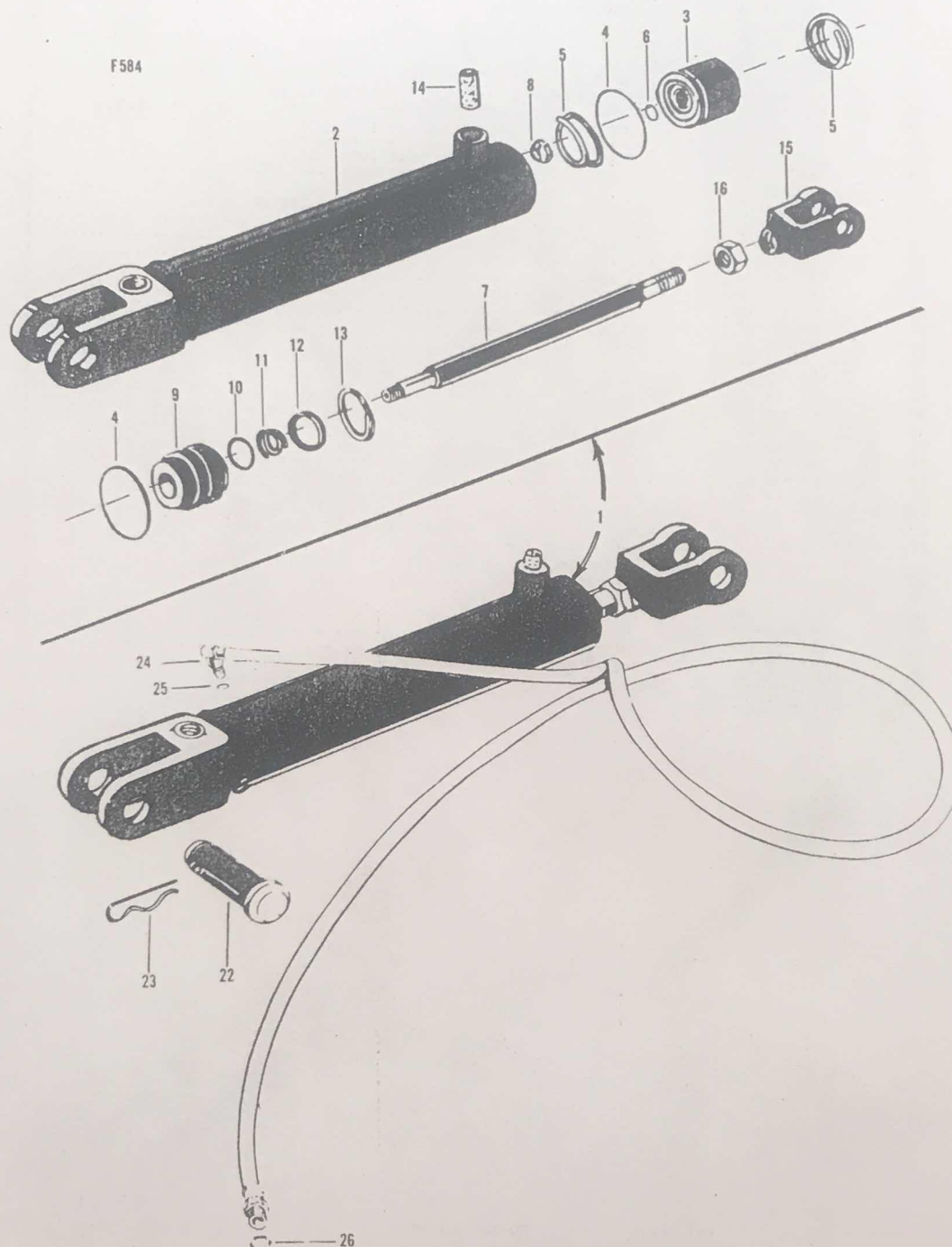
**F443-6**



Ref. No.	Part No.	Description	No. Req.
1	189 809 M95	Valve Assembly (Single Spool)(Used w/677 219 Valve).....	1
2	185 617 M1	Sleeve, Main Spool.....	1
3	185 605 M1	Spring, Main Spool.....	1
4	185 632 M1	Retainer, Spool Spring.....	1
5	185 618 M1	Collar, Main Spool.....	1
6	196 108 M1	Ring, Snap, Collar Retaining.....	1
10	185 614 M1	Plug, Main Spool.....	1
11	832 271 M1	"O" Ring, Main Spool Plug.....	1
12	355 649 X1	Ring, Snap, Plug Retaining.....	1
13	832 271 M1	"O" Ring, Main Spool.....	1
14	192 874 M1	Plug, Shuttle Spool (See Inset "A").....	1
14	185 610 M1	Plug, Shuttle Spool (See Inset "B").....	1
15	359 247 X1	"O" Ring, Shuttle Spool Plug.....	1
16	353 514 X1	Ring, Snap, Shuttle Spool Plug (Used 3/192 874 M1).....	1
17	192 136 M2	Valve, Poppet.....	1
18	185 607 M2	Spring, Valve Poppet.....	1
19	186 440 M91	Valve Assembly, Switch.....	1
24	831 497 M1	"O" Ring, Plug Body.....	1
25	185 608 M2	Restrictor, Oil Flow.....	1
30	185 811 M91	Handle Assembly, Valve Control.....	1
31	185 619 M1	Clevis, Handle Body.....	1
32	185 689 M1	Shaft, Control Handle.....	1
33	185 604 M1	Spring, Handle Detent.....	1
34	831 872 M1	Ball, Handle Detent.....	1
35	353 431 X1	Nut, Shaft Lock.....	1
36	669 554 M1	Detent, Locking.....	1
37	185 641 M1	Guide, Detent.....	1
38	185 643 M1	Spring, Detent Locking.....	2
39	360 085 X1	Screw, Guide and Spring.....	1
40	185 642 M2	Knob, Handle.....	1
41	185 818 M1	Cover, Front.....	1
42	356 922 X1	Pin, Handle to Cover (3/8 x 3/4" Roll).....	3
43	357 852 X1	Screw, Cover to Body (5/16 x 3/4" NC, Sect. Hd.).....	3
44	831 257 M1	Washer (5/16" Lock, Special).....	1
45	22 668 X	Pin, Handle to Main Spool (1/4 x 3/4" Roll).....	1
46	835 087 M91	Plug Assembly, Body.....	1
47	831 452 M1	"O" Ring, Plug.....	1
48	357 197 X91	Elbow Assembly (90°).....	1
49	831 452 M1	"O" Ring, Elbow.....	1
50	357 195 X1	Nut, Lock, Elbow.....	4
51	357 860 X1	Screw, Body (5/16 x 1-3/4" Sect. Hd.).....	1
52	356 579 X1	Cap, Elbow.....	1

## PULL BEHIND CYLINDER

F584



Ref. No.	Pa
1	666
2	686
3	668
4	851
5	831
6	831
7	684
8	351
9	684
10	191
11	191
12	83
13	35
14	66
15	68
16	35
22	35
23	19
24	18
25	81
26	81

Note: Whole



## PULL BEHIND CYLINDER

211

(2" SINGLE ACTING)

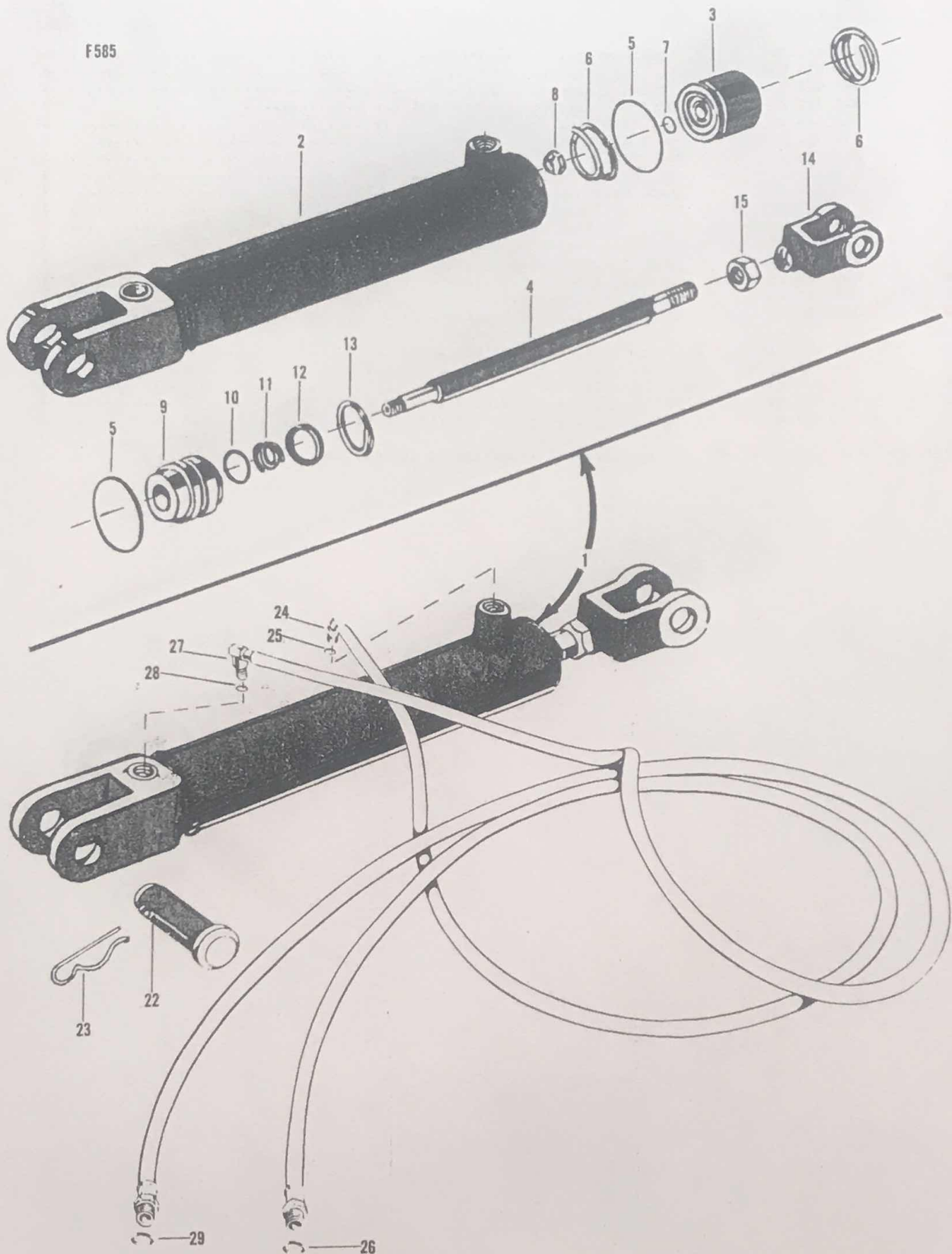
(SEE NOTE)

Ref. No.	Part No.	Description	No. Req.
1	668 997 M92	Cylinder Assembly, Pull Behind.....	1
2	686 671 M91	Tube Assembly, Cylinder.....	1
3	668 996 M1	Piston, Cylinder.....	1
4	851 147 M1	"O" Ring, Piston and Head, Outer.....	2
5	831 454 M1	Ring, "O" Ring Back-up.....	2
6	831 585 M1	"O" Ring, Piston, Inner.....	1
7	686 675 M1	Rod, Piston.....	1
8	357 561 X1	Nut, Piston Retaining.....	1
9	686 678 M1	Head, Cylinder.....	1
10	196 027 M1	"O" Ring, Head, Inner.....	1
11	195 919 M1	Ring, "O" Ring, Back-up.....	1
12	831 451 M1	Seal, Oil, Cylinder Head.....	1
13	357 191 X1	Ring, Cylinder Head Retaining.....	1
14	669 045 M91	Breather Assembly, Cylinder.....	1
15	686 677 M2	Clevis, Piston Rod.....	1
16	353 436 X1	Nut, Lock (3/4" NF, Half Hex.).....	1
22	354 195 X1	Pin, Hydraulic Cylinder Retaining.....	2
23	195 708 M1	Pin, Hair.....	2
24	185 871 M91	Hose Assembly (118").....	1
25	831 452 M1	"O" Ring, Hose (at Elbow) (15/32 x 5/8 x 5/64").....	1
26	831 497 M1	"O" Ring, Hose (21/32 x 13/16 x 5/64").....	1

Note: Whole Goods Number 677 256 Includes all items listed on this page.

## HYDRAULIC PULL BEHIND CYLINDER

F585



## PULL BEHIND CYLINDER

213

(2" DOUBLE ACTING)

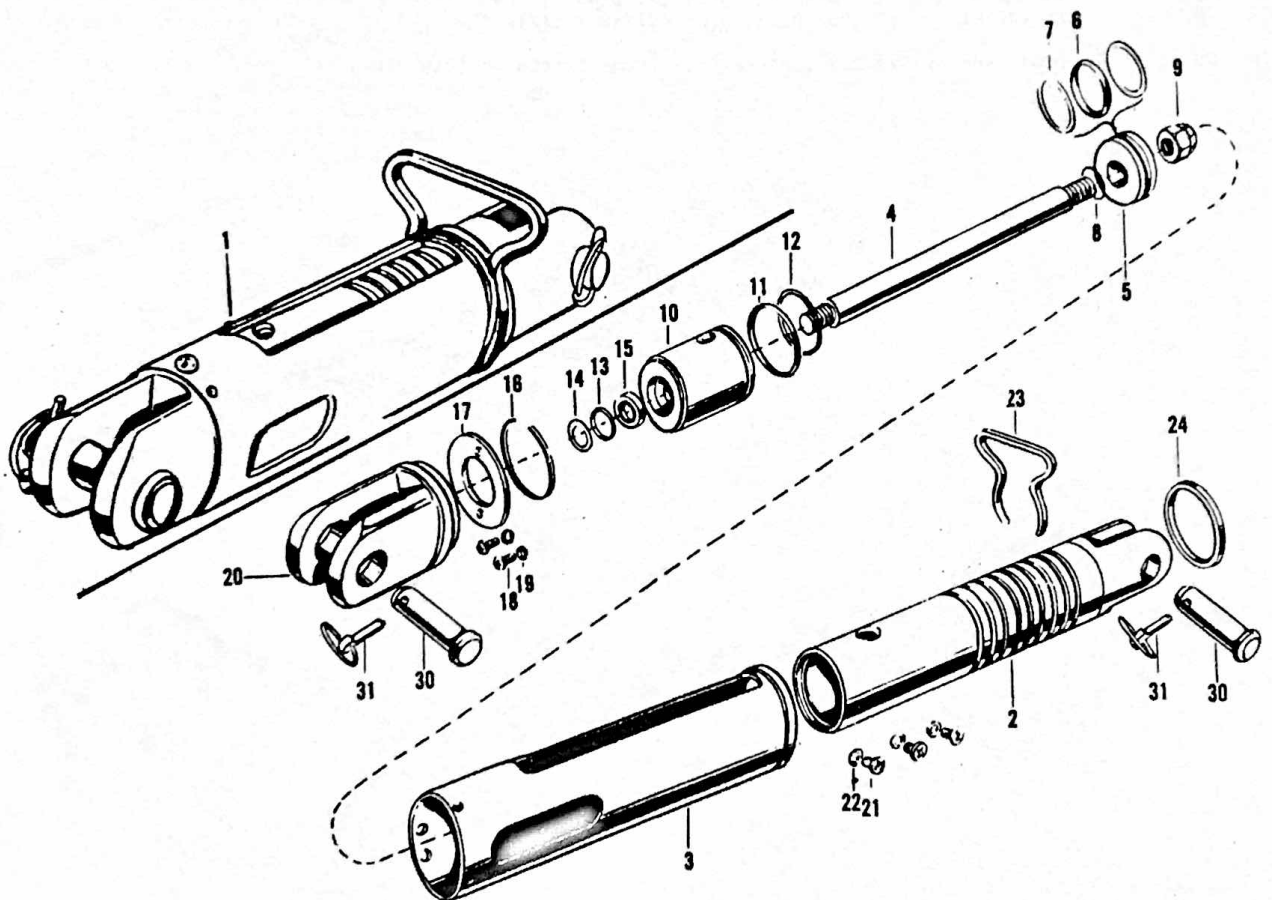
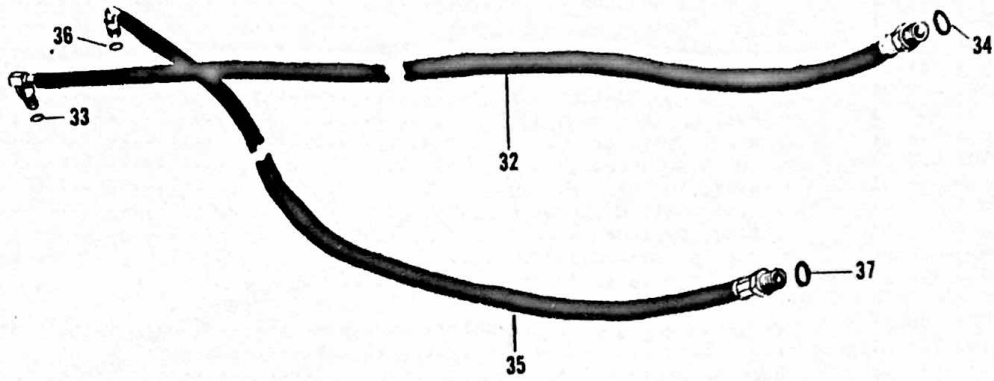
(SEE NOTE)

Ref. No.	Part No.	Description	No. Req.
1	187 040 M91	Cylinder Assembly, Pull Behind (Order 668 997 M92).....	1
2	686 671 M91	Tube Assembly, Cylinder.....	1
3	668 996 M1	Piston, Cylinder.....	1
4	686 675 M1	Rod, Piston.....	1
5	851 147 M1	"O" Ring, Piston and Head, Outer.....	2
6	831 454 M1	Ring, "O" Ring Back-up.....	2
7	831 585 M1	"O" Ring, Piston, Inner.....	1
8	357 561 X1	Nut, Piston Retaining.....	1
9	686 678 M1	Head, Cylinder.....	1
10	196 027 M1	"O" Ring, Head, Inner.....	1
11	195 919 M1	Ring, "O" Ring Back-up.....	1
12	831 451 M1	Seal, Oil, Cylinder Head.....	1
13	357 191 X1	Ring, Cylinder Head Retaining.....	1
14	686 677 M2	Clevis, Piston Rod.....	1
15	353 436 X1	Nut, Clevis (3/4" NF, Half Hex.).....	1
22	354 195 X1	Pin, Hydraulic Cylinder Retaining.....	2
23	195 708 M1	Pin, Hair.....	2
24	185 871 M91	Hose Assembly (118").....	1
25	831 452 M1	"O" Ring, Hose (at Elbow (15/32 x 5/8 x 5/64")).....	1
26	831 497 M1	"O" Ring, Hose (21/32 x 13/16 x 5/64").....	1
27	185 869 M91	Hose Assembly (128").....	1
28	831 452 M1	"O" Ring, Hose (at Elbow) (5/64 x 15/32 x 5/8").....	1
29	831 497 M1	"O" Ring, Hose (21/32 x 13/16 x 5/64").....	1

Note: Whole Goods Number 677 257 Includes all items listed on this page.

## PULL BEHIND CYLINDER

F1561





## PULL BEHIND CYLINDER

215

(2-1/2" DOUBLE ACTING)

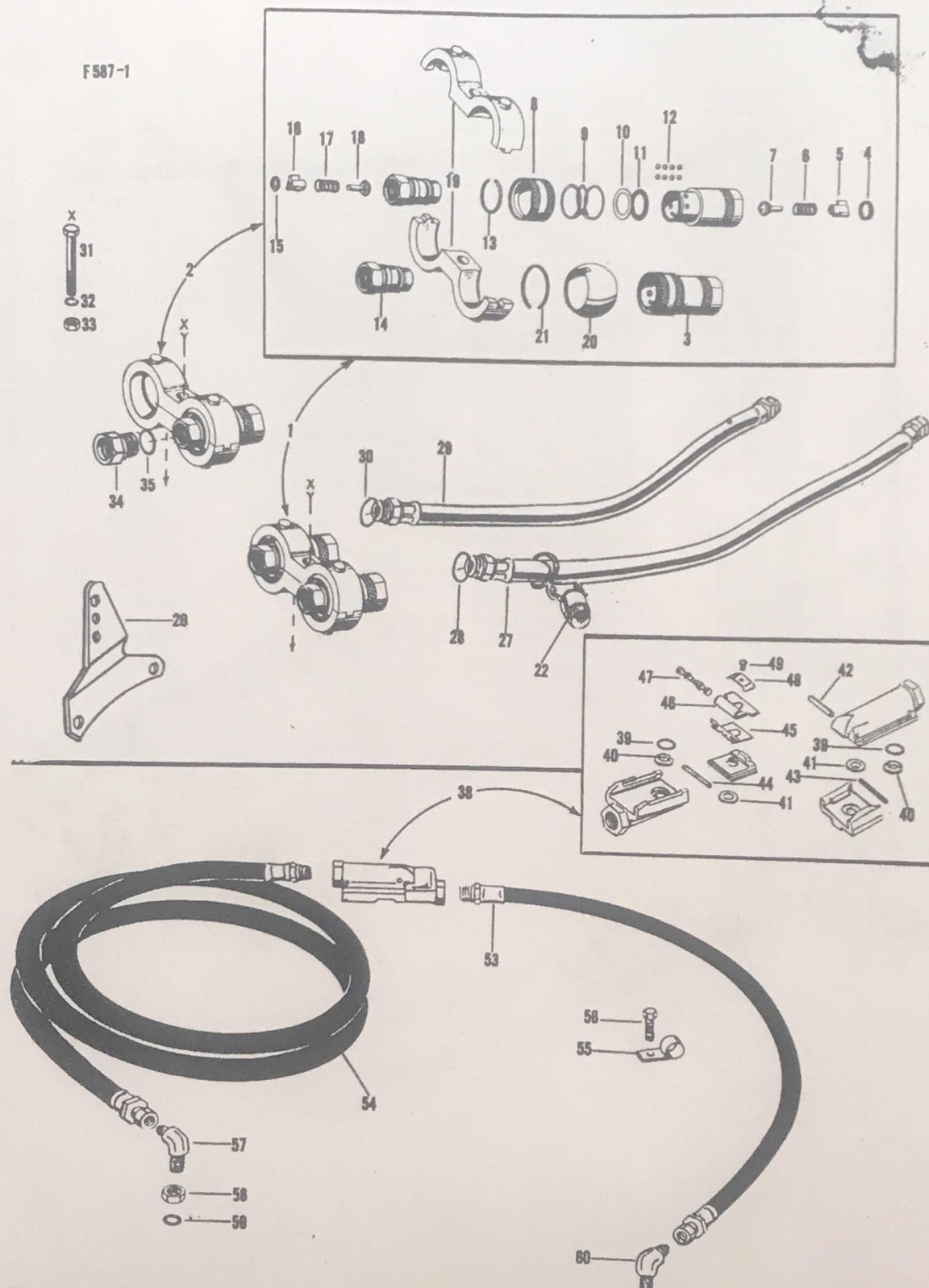
(SEE NOTE)

No.	Part No.	Description	No. Req.
1	185 933 M93	Cylinder Assembly, Pull Behind.....	1
2	1 754 949 M91	Barrel Assembly, Cylinder.....	1
3	1 021 940 M91	Sleeve Assembly, Barrel.....	1
4	1 754 951 M1	Rod, Piston.....	1
5	1 754 955 M1	Piston.....	1
6	835 126 M1	"O" Ring, Piston, Outer.....	1
7	1 024 946 M1	Ring, "O" Ring Back-up.....	2
8	851 145 M1	"O" Ring, Piston, Inner.....	1
9	1 509 432 M1	Nut, Piston Retaining.....	1
10	1 754 953 M1	Bearing.....	1
11	835 130 M1	"O" Ring, Bearing, Outer.....	1
12	1 881 527 M1	Ring, "O" Ring Back-up.....	1
13	851 145 M1	"O" Ring, Bearing, Inner.....	1
14	1 024 945 M1	Ring, "O" Ring Back-up.....	1
15	835 061 M1	Seal, Oil, Bearing.....	1
16	1 752 141 M1	Ring, Snap, Bearing Retaining.....	1
17	1 752 166 M1	Plate, Bearing Cover.....	1
18	353 981 X1	Screw, Plate (#10 - 24 x 1-1/2" Rd. Hd.).....	2
19	353 445 X1	Washer (#10 Lock).....	2
20	1 754 952 M1	Yoke, Cylinder.....	1
21	353 988 X1	Screw, Sleeve (1/4 - 20 x 1/2" Rd. Hd.).....	3
22	353 441 X1	Washer (1/4" Lock).....	3
23	1 024 583 M91	Stop, Cylinder.....	1
24		Ring, Cylinder Head (Order 1024 583 M91).....	1
30	185 973 M1	Pin, Hydraulic Cylinder Retaining.....	2
31	1 752 532 M91	Linch Pin Assembly.....	2
32	185 871 M91	Hose Assembly (118").....	1
33	831 452 M1	"O" Ring, Hose (at Elbow)(15/32 x 5/8 x 5/64").....	1
34	831 497 M1	"O" Ring, Hose (21/32 x 13/16 x 5/64").....	1
35	185 869 M91	Hose Assembly (128").....	1
36	831 452 M1	"O" Ring (at Elbow)(15/32 x 5/8 x 5/64").....	1
37	831 497 M1	"O" Ring, Hose (21/32 x 13/16 x 5/64").....	1

Note: Whole Goods Number 677 225 Includes all items listed on this page.

## BREAKAWAY COUPLING

F587-1



Print

# BREAKAWAY COUPLING

217

(AERO QUIP)

(SEE NOTE A)

Part No.	Description	No. Required	
		Dual	Single
185 877 M91	Coupling Assembly, Dual.....	1	-
187 038 M91	Coupling Assembly, Single.....	-	1
1 754 791 M91	Coupling Assembly (Female Half).....	2	1
1 754 792 M1	Ring, Body Retaining.....	1	1
1 754 793 M1	Guide, Poppet.....	1	1
1 754 794 M1	Spring, Poppet.....	1	1
1 754 795 M91	Valve Assembly, Poppet.....	1	1
1 754 796 M1	Sleeve, Ball Release.....	1	1
1 754 797 M1	Spring, Valve.....	1	1
1 754 833 M1	Ring, "O" Ring Back-up.....	1	1
195 632 M1	"O" Ring.....	1	1
361 023 X1	Ball, Steel.....	8	8
1 754 799 M1	Ring, Ball Retaining.....	1	1
1 754 800 M91	Coupling Assembly (Male Half).....	2	1
1 754 792 M1	Ring, Body Retaining.....	1	1
1 754 793 M1	Guide, Poppet.....	1	1
1 754 794 M1	Spring, Poppet.....	1	1
1 754 795 M91	Valve Assembly, Poppet.....	1	1
1 754 502 M1	Frame, Coupling Mounting.....	2	2
1 754 500 M1	Sleeve, Coupling.....	2	1
1 754 501 M1	Ring, Snap, Sleeve Retaining.....	2	1
185 879 M91	Plug Assembly, Dust (Female Coupling).....	2	1
186 218 M91	Plug Assembly, Dust (Male Coupling).....	2	1
185 972 M2	Bracket, Coupler Mounting.....	1	1
185 999 M91	Hose Assembly (28").....	1	-
831 497 M1	"O" Ring, Hose (21/32 x 13/16 x 5/64").....	1	-
186 001 M91	Hose Assembly (23-1/2").....	1	1
831 497 M1	"O" Ring, Hose (21/32 x 13/16 x 5/64").....	1	1
353 575 X1	Bolt (7/16 x 3" NF, Hex.).....	1	1
353 432 X1	Washer (7/16" Lock).....	1	1
353 426 X1	Nut (7/16" NF, Hex.).....	1	1
832 408 M91	Adapter Assembly, Hose (for Hose w/1/2" - 14 Threads).....	2	2
831 497 M1	"O" Ring, Adapter.....	1	1
832 410 M91	Adapter Assembly, Hose (for Hose w/3/8" - 18 Threads).....	2	2
831 497 M1	"O" Ring, Adapter.....	1	1

(CHAR LYNN)

(SEE NOTE B)

38	669 058 M91	Coupler Assembly, Breakaway.....	-	1
39	1 752 506 M1	"O" Ring, Barrel.....	-	2
40	1 753 509 M1	Seal, "O" Ring Retainer.....	-	2
41	1 753 510 M1	Seal, Waffer (in Slide).....	-	2
42	1 753 506 M1	Pin, Stop Slide.....	-	1
43	1 753 504 M1	Wiper (Synthetic).....	-	1
44	1 753 505 M1	Wiper (Felt).....	-	1
45	1 753 500 M1	Spring, Latch.....	-	1
46	1 753 508 M1	Lock, Latch Spring.....	-	1
47	1 753 507 M1	Latch, Lock.....	-	1
48	1 753 501 M1	Clamp, Latch Spring.....	-	1
49	1 753 502 M1	Screw, Clamp.....	-	1
53	669 060 M91	Hose Assembly (40").....	-	1
54	669 059 M91	Hose Assembly (92").....	-	1
55	669 026 M1	Clamp, Hose.....	-	1
56	353 540 X1	Bolt, Clamp (3/8 x 1-1/4" NF, Hex.).....	-	1
57	357 197 X91	Elbow (in Cylinder)(90°).....	-	1
58	357 195 X1	Nut, Elbow (9/16" NF, Half Hex.).....	-	1
59	831 452 M1	"O" Ring, Elbow.....	-	1
60	356 360 X1	Elbow (90°).....	-	1

Notes: (A) - Whole Goods Number 677 258 (Single Coupling) and 677 232 (Dual Coupling) Includes all items listed under Aero Quip Couplings.

(B) - Whole Goods Number 677 163 Includes all items listed under Char Lynn Coupling.

(C) - For repairs order (1) 1039 244 M91 Coupling Assembly.

(D) - For repairs order (1) 1026 347 M91 Coupling Assembly.

